

# Woolworth GmbH TEST REPORT

**Technical Report:** (7221)362-0143 February 15, 2022

Date Received: December 28, 2021 Page 1 of 15

CLIENT NAME: WOOLWORTH GMBH

COMPANY NAME: DEPA EV VE MUTF. GER. SAN. VE TİC. LTD. ŞTİ.

STREET ADDRESS: SÜLEYMANİYE MAH. İSMETİYE CAD. NO:10 GİRİŞ KAT 1-2-3-4 FATİH

CITY, STATE, ZIP İSTANBUL COUNTRY İSTANBUL

Sample(s) received is/are stated to be:

Sample Description: ACRYLIC KITCHENWARE-TUMBLER, BOWL, JUG, SNACK BOWL, TIER TRAY,

FRUIT BOWL

Color/ Style Definition: / Woolworth Order No.: 296348/00-295739/00-

297391/00-299713/00-301517/00-302505/00-298896/00-298586/00-296402/00-302291/00-295981/00-295461/00-

300129/00

Season: 122 Woolworth WGR No.: 803-805

Order No.: / Fiber Content: /

Style No.: 1914-082 Transparent Acrylic Tower /

Jug 1.5 lt Fabric Mill:

Age Grade: / Country of Origin: TURKEY
Product End Use: / Country of Destination: /

Garment Factory: / Care Instruction:

Test Period: December 28, 2021- February 14,

No. of Working Days: 36

Test Package: / Retest Number: /

#### SAMPLE DESCRIPTION ASSIGNED BY LABORATORY:

ITEM	ITEM DESCRIPTION
I001	TRANSPARENT GREY PLASTIC (AS/SAN)

BV CPS TEST LABORATUVARLARI LTD. STI. BUREAU VERITAS CONSUMER PRODUCTS SERVICES

Yalçın Koreş Caddesi No:22 Erdinç Binaları A Blok 2. Kule 1. Kat 34209 Güneşli, Istanbul / Turkey Tel:+90.212.494 35 35 Fax:+90.212.494 35 60 email:info.turkey@bvcps.com.tr website: www.bureauveritas.com/cps This report is governed by, and incorporates by reference, CPS Conditions of Service as posted at the date of issuance of this report at <a href="http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/and">http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/and</a> is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. You have 60 days from date of issuance of this report to notify us of any material error or or mission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute you unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



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### SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	FAILED COMPONENT(S)	REMARK
Overall Migration with 3% Acetic Acid for Plastic Materials in Contact with Foodstuffs per Commission Regulation (EU) No. 2020/1245*	PASS		
Overall Migration with 10% Ethanol for Plastic Materials in Contact with Foodstuffs per Commission Regulation (EU) No. 2020/1245*	PASS		
Overall Migration with 20% Ethanol for Plastic Materials in Contact with Foodstuffs per Commission Regulation (EU) No. 2020/1245*	PASS		
Specific Migration of Heavy Metals for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) 2020/1245	PASS		
Phthalates*	PASS		
Polycyclic Aromatic Hydrocarbons (PAHs)*	PASS		
Sensory Test (Odour and Taste) - Water	PASS		
Colorfastness Of Plastics	PASS		
Specific Migration of Acrylonitrile for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 2020/1245	PASS		
Overall Migration with Olive Oil Test for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 2020/1245	PASS		
Volatile Organic Matter Content	PASS		

# **REMARK**

If there are questions or concerns on this report, please contact:

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**REMARK 2:** "Specific Migration of Acrylonitrile for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 2020/1245, Overall Migration with Olive Oil Test for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 2020/1245 "analysis have been performed by BV- Hong Kong Laboratories as subcontracted.

[Report No: [(6621)364-1527].

Bureau Veritas Consumer Products Services Turkey BV CPS Test Lab. Ltd. Sti.

Eylem Yaldizli Murat Senior Client Team Lead -Hardline **Kerem Can Operations Manager** 



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# -Photo of the Submitted Sample-





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Test M	ethod: With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1 for selection of test methods;						
		d simulants by article filling methor					
Test Cond	<b>Test Conditions:</b> 10 days at 40°C, 3rd cycle						
Simulant Used: 3% Acetic Acid (W/V) Aqueous Solution							
, , , , , , , , , , , , , , , , , , ,		- Iqueous soruitor					
		Result(s) (mg/dm <sup>2</sup> )					
		I001					
	1st Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> Migration				
Trial 1	<2.5	<2.5	<2.5				
Trial 2	<2.5	<2.5	<2.5				
Trial 3	<2.5	<2.5	<2.5				
Average	<2.5	<2.5	<2.5				
Conclusion	:	Pass					
	°C = degree Celsius mg/kg = milligram per kilogram	of foodstuff in contact with					
	mg/kg = milligram per kilogram						
	$mg/dm^2 = milligram per square$	decimeter of foodstuff in contact v	with				
_							
	Reporting Limit: 2,5 mg/dm <sup>2</sup>						
Pe	rmissible Limit: 10 mg/dm <sup>2</sup>						
	1 Permissible limit specified h	y Commission Regulation (EU) N	Jo 10/2011 of 14 January 2011 w				
Remark(s) •	amendments.	y commission regulation (20) i	10 10/2011 01 11 Junuary 2011 W				
Remark(s):	2. Analytical tolerance of aqueous simulants is 2 mg/dm <sup>2</sup> or 12 mg/kg.						
	2. Analytical tolerance of aqueo	•	• •				
	<ul><li>2. Analytical tolerance of aqueo</li><li>3. Test condition &amp; simulant we</li></ul>	ere specified by client,/ according	• •				
	<ul><li>2. Analytical tolerance of aqueo</li><li>3. Test condition &amp; simulant we 10/2011 of 14 January 2011</li></ul>	ere specified by client,/ according with amendments.	• •				
	<ol> <li>Analytical tolerance of aqueo</li> <li>Test condition &amp; simulant we 10/2011 of 14 January 2011</li> <li>The volume of simulant used</li> </ol>	ere specified by client,/ according with amendments.  I is 0.25 L.	to Commission Regulation (EU)				
	<ol> <li>Analytical tolerance of aqueous</li> <li>Test condition &amp; simulant we 10/2011 of 14 January 2011</li> <li>The volume of simulant used</li> <li>The ratio of surface area to v</li> <li>Total food contact surface ar</li> </ol>	ere specified by client,/ according with amendments.  I is 0.25 L.  olume ratio is 1.7 dm <sup>2</sup> per 1 kg of ea of whole article is applied in the	to Commission Regulation (EU) foodstuff in contact with. le calculation of the result accordi				
	<ol> <li>Analytical tolerance of aqueous</li> <li>Test condition &amp; simulant we 10/2011 of 14 January 2011</li> <li>The volume of simulant used</li> <li>The ratio of surface area to v</li> <li>Total food contact surface are to Commission Regulation (I</li> </ol>	ere specified by client,/ according with amendments. I is 0.25 L. Column ratio is 1.7 dm <sup>2</sup> per 1 kg of	to Commission Regulation (EU)  foodstuff in contact with.  re calculation of the result according to the contact accordin				



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		with 10% Ethanol 1 ation (EU) No. 2020/124		Contact with Foodstuffs per				
	ethod:	with reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1 for selection of test methods; EN 1186-9 aqueous food simulants by article immersion method						
Test Condi	<b>Test Conditions:</b> 10 days at 40°C, 3rd cycle							
Simulant	Simulant Used: 10% Ethanol (W/V) Aqueous Solution							
		R	Result(s) (mg/dm²)					
		<del>_</del>	1001					
	1	1 <sup>st</sup> Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> Migration				
Trial 1	:	<2.5	<2.5	<2.5				
Trial 2	:	<2.5	<2.5	<2.5				
Trial 3	:	<2.5	<2.5	<2.5				
Average	:	<2.5	<2.5	<2.5				
Conclusion	:	II.	Pass					
, ,		not detected egree Celsius						
		= milligram per kilogram o	f foodstuff in contact with					
			cimeter of foodstuff in contact	et with				
	8,	8 1 1						
R	eporti	ng Limit : 2,5 mg/dm <sup>2</sup>						
Per	missil	<b>ole Limit :</b> 10 mg/dm <sup>2</sup>						
Remark(s):		nissible limit specified by ondments.	Commission Regulation (EU)	No 10/2011 of 14 January 2011 with				
		•	s simulants is 2 mg/dm <sup>2</sup> or 12					
	10/2	2011 of 14 January 2011 wi	th amendments.	ng to Commission Regulation (EU) No				
		volume of simulant used is						
			ume ratio is 1.7 dm <sup>2</sup> per 1 kg					
(			of whole article is applied in No 10/2011 of 14 January 2	the calculation of the result according				
7	7. Onl		•	similar sealing article is applied in the				



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Test M	Method: With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III							
		ion of condition and EN 1186-1 for						
	EN 1186-9 aqueous food simulants by article immersion method							
	Test Conditions: 10 days at 40°C, 3rd cycle							
Simulant	t Used: 20% Ethanol (W/V) Aq	ueous Solution						
		Result(s) (mg/dm <sup>2</sup> )						
		I001						
	1st Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> Migration					
Trial 1	<2.5	<2.5	<2.5					
Trial 2	<2.5	<2.5	<2.5					
Trial 3	<2.5	<2.5	<2.5					
Average	<2.5	<2.5	<2.5					
Conclusion	1:	Pass						
		0.0 1 001 11						
		n of foodstuff in contact with decimeter of foodstuff in contact v	vith					
	mg/dm <sup>2</sup> = milligram per square		vith					
F			vith					
Pe Remark(s):	mg/dm² = milligram per square  Reporting Limit: 2,5 mg/dm²  rmissible Limit: 10 mg/dm²  1. Permissible limit specified lamendments.	decimeter of foodstuff in contact v	To 10/2011 of 14 January 2011 wi					
Pe Remark(s):	mg/dm² = milligram per square  Reporting Limit: 2,5 mg/dm²  rmissible Limit: 10 mg/dm²  1. Permissible limit specified lamendments.  2. Analytical tolerance of aque	by Commission Regulation (EU) Notes to simulants is 2 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or 12 mg/dm <sup>2</sup> or	Jo 10/2011 of 14 January 2011 wi g/kg.					
Fe Pe Remark(s):	mg/dm² = milligram per square  Reporting Limit: 2,5 mg/dm²  rmissible Limit: 10 mg/dm²  1. Permissible limit specified lamendments.  2. Analytical tolerance of aque 3. Test condition & simulant w 10/2011 of 14 January 2011	by Commission Regulation (EU) Notes to simulants is 2 mg/dm² or 12 mg/ere specified by client,/ according with amendments.	Jo 10/2011 of 14 January 2011 wi g/kg.					
Fe Pe Remark(s):	mg/dm² = milligram per square  Reporting Limit: 2,5 mg/dm²  rmissible Limit: 10 mg/dm²  1. Permissible limit specified lamendments. 2. Analytical tolerance of aque 3. Test condition & simulant w 10/2011 of 14 January 2011 4. The volume of simulant use	by Commission Regulation (EU) Notes to simulants is 2 mg/dm² or 12 movere specified by client,/ according with amendments.  d is 0.25 L.	To 10/2011 of 14 January 2011 wig/kg.  to Commission Regulation (EU) N					
Fe Pe Remark(s):	mg/dm² = milligram per square  Reporting Limit: 2,5 mg/dm²  rmissible Limit: 10 mg/dm²  1. Permissible limit specified lamendments.  2. Analytical tolerance of aque 3. Test condition & simulant was 10/2011 of 14 January 2011  4. The volume of simulant use  5. The ratio of surface area to simulant was 10/2011 of 14 January 2011	by Commission Regulation (EU) Notes to simulants is 2 mg/dm² or 12 movere specified by client,/ according with amendments.  d is 0.25 L.  volume ratio is 1.7 dm² per 1 kg of	To 10/2011 of 14 January 2011 wig/kg. to Commission Regulation (EU) N					
Fe Pe Remark(s):	mg/dm² = milligram per square  Reporting Limit: 2,5 mg/dm²  rmissible Limit: 10 mg/dm²  1. Permissible limit specified lamendments.  2. Analytical tolerance of aque 10/2011 of 14 January 2011  4. The volume of simulant use  5. The ratio of surface area to surface a	by Commission Regulation (EU) Notes to simulants is 2 mg/dm² or 12 movere specified by client,/ according with amendments.  d is 0.25 L.  volume ratio is 1.7 dm² per 1 kg of rea of whole article is applied in the	Jo 10/2011 of 14 January 2011 wig/kg. to Commission Regulation (EU) Notes to Commission Regulation (EU) Notes to Contact with. e calculation of the result according					
Fe Pe Remark(s):	mg/dm² = milligram per square  Reporting Limit: 2,5 mg/dm²  rmissible Limit: 10 mg/dm²  1. Permissible limit specified lamendments. 2. Analytical tolerance of aque 10/2011 of 14 January 2011 4. The volume of simulant use 5. The ratio of surface area to 10 Total food contact surface a to Commission Regulation (1)	by Commission Regulation (EU) Notes to simulants is 2 mg/dm² or 12 movere specified by client,/ according with amendments.  d is 0.25 L.  volume ratio is 1.7 dm² per 1 kg of	Jo 10/2011 of 14 January 2011 wig/kg. to Commission Regulation (EU) Notes that the content with the calculation of the result according 11 Article 17.					



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#### TEST RESULTS

# <u>Specific Migration of Heavy Metals for Plastic Materials in Contact with Foodstuffs – Commission Regulation</u> (EU) No. 2020/1245\*

Test Condition: 3% Acetic acid: 40°C, 10 days, 3 cycle

Parameter	Simulant Used	Unit	Results	Maximum Allowable Limit
- W. W		01110	I001	
Food contact surface area	-	dm <sup>2</sup>	1.7	-
Volume of simulant used	-	mL	250	-
Aluminum (Al)	3% Acetic acid	mg/kg	<0.1	1
Barium (Ba)	3% Acetic acid	mg/kg	<0.1	1
Cobalt (Co)	3% Acetic acid	mg/kg	< 0.01	0.05
Copper (Cu)	3% Acetic acid	mg/kg	<0.5	5
Iron (Fe)	3% Acetic acid	mg/kg	<5	48
Lithium (Li)	3% Acetic acid	mg/kg	<0.1	0.6
Manganese (Mn)	3% Acetic acid	mg/kg	<0.1	0.6
Zinc (Zn)	3% Acetic acid	mg/kg	<3	5
Nickel (Ni)	3% Acetic acid	mg/kg	< 0.01	0.02
Antimony (Sb)	3% Acetic acid	mg/kg	< 0.01	0.04
Europium (Eu)	3% Acetic acid	mg/kg	< 0.01	0.05
Gadolinium (Gd)	3% Acetic acid	mg/kg	< 0.01	0.05
Lanthanum (La)	3% Acetic acid	mg/kg	< 0.01	0.05
Terbium (Tb)	3% Acetic acid	mg/kg	< 0.01	0.05
Sum of Europium (Eu), Gadolinium (Gd), Lanthanum (La), and Terbium (Tb)	3% Acetic acid	mg/kg	<0.01	0.05
Arsenic (As)	3% Acetic acid	mg/kg	< 0.01	ND
Cadmium (Cd)	3% Acetic acid	mg/kg	< 0.002	ND (0.002)
Chromium (Cr)	3% Acetic acid	mg/kg	< 0.01	ND
Lead (Pb)	3% Acetic acid	mg/kg	< 0.01	ND
Mercury (Hg)	3% Acetic acid	mg/kg	< 0.01	ND
Conclusion	-	-	PASS	-

Note: "<" = less than

mg/kg = milligram per kilogram

Method: EN 13130-1: 2004 and analysis by Inductively Coupled Argon Plasma Spectrometer (ICP).

Remark: 1) The migration test is carried out according to EC Regulation No. 2020/1245

2) Selected tests were specified by client.



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#### **TEST RESULTS**

# <u>Visible Color Migration from Plastic Material Coming Into Contact with Foodstuffs</u>

Test method: CPSD-AN-00109-MTHD

Tested Item(s) I001	Result	Permissible Limit	Conclusion
Visible Colour Migration	No Colour Release Observed	No Colour Release	PASS



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#### **TEST RESULT**

### Sensory Test (Odour and Taste) - Simulant Water

Test method: BV CPS In House Method, CPSD-AN-00084-MTHD, DIN 10955

**Test condition:** Water,  $10 \text{ days} - 40^{\circ}\text{C}$ 

-					
Tested Item(s)	Parameter Limit Conc. Unit				Conc.
1001	Change of Odour	≤ 2.5	0.7	ı	Pass
I001	Change of Taste	≤ 2.5	1.0	-	Pass

Off-odour in comparison with control

0 =no perceptible off-odour

1 = off-odour just perceptible (but still difficult to define)

2 = slight off-odour 3 = distinct off-odour 4 = strong off-odour Off-taste in comparison with control

0 = no perceptible off-taste

1 = off-taste just perceptible (but still difficult define)

2 = slight off-taste 3 = distinct off-taste

4 = strong off-taste



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#### **TEST RESULT**

# **Volatile Organic Matter in Plastic and Rubber**

**Test Method**: In House Test Method CPSD-AN-00022-MTHD

**Test Conditions** : 90°C, 24 hours.

<b>D</b>	<b>T</b> T •4	Result	Requirement
Parameter	Unit	1001	
Volatile Organic Matter	mg/dm <sup>2</sup>	4.1	15
Conclusion	-	PASS	-

Note:"<" = less than Method:Gravimetric method. Remark: The limit refers to BfR Recommendation XV



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#### TEST RESULTS

#### **PHTHALATES**

**Test Method** 

: BV In-house Test Method CPSD-AN-00095-MTHD

Solvent extraction and analysis by Gas Chromatograph Mass Spectrometer (GC-MS) or Liquid Chromatograph Mass Spectrometer (LC-MS).

Limit:	1000 mg/kg (Each)
--------	-------------------

-	Results			Conclusion
Tested Item(s)	Detected Analytes	Conc.	Unit	Conclusion
	DBP (Dibutylphthalate)	ND	mg/kg	PASS
	BBP (Butylbenzylphthalate)	ND	mg/kg	PASS
	DEHP (Di(2-ethylhexyl)-phthalate)	ND	mg/kg	PASS
	DNOP (Di-n-octylphthalate)	ND	mg/kg	PASS
	DIDP (Diisodecylphthalate)	ND	mg/kg	PASS
	DINP (Di-iso-nonylphthalate)	ND	mg/kg	PASS
	DIBP (Diisobuty phthalate)	ND	mg/kg	PASS
	DHNUP (1,2 – Benzenedicarboxylic	ND	mg/kg	PASS
1001	acid, di-C7-11 branched and linear alkyl			
1001	esters)			
	DIHP (1,2 – Benzenedicarboxylic acid,	ND	mg/kg	PASS
	di-C6-8 branched alkyl ester, C7-rich)			
	DMEP (Bis(methoxyethyl) phthalate)	ND	mg/kg	PASS
	1,2-Benzenedicarboxylic acid,	ND	mg/kg	PASS
	dipentylester, branched and linear			
	iPnPP (N-pentyl-isopentylphthalate)	ND	mg/kg	PASS
	DiPP (Diisopentylphthalate)	ND	mg/kg	PASS
	Sum	ND	mg/kg	PASS
	Overall Conclusion	-	-	PASS

Remark1: Note:

ND = Not detected ">" = More than
% = percent = 10000 mg/kg mg/kg = milligram per kilogram

Detection Limit (mg/kg): Each 50; Sum 150

#### Damark 2

- The list of phthalates is summarized in table of Appendix Remark3:

Recommended Max. limit specified by entries 51 and 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC

Conc. = Concentration



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#### **TEST RESULTS**

### POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)

Test method: With reference to test method mentioned in German AfPS GS 2014:01 PAK.

Parameter	Unit	Results	<b>Requirements by Client</b>
-	-	I001	
Naphthalene	mg/kg	ND	
Benzo (a) anthracene (BaA)	mg/kg	ND	
Chrysene (CHR)	mg/kg	ND	
Benzo (b) fluoranthene (BbF)	mg/kg	ND	
Benzo (j) fluoranthene (BjF)	mg/kg	ND	
Benzo (k) fluoranthene (BkF)	mg/kg	ND	
Benzo (e) pyrene (BaP)	mg/kg	ND	
Benzo (a) pyrene (BeP)	mg/kg	ND	Each of 18 PAHs < 0.2
Indeno (1,2,3-cd) pyrene (IPY)	mg/kg	ND	mg/kg
Dibenzo (a,h) anthracene (DBA)	mg/kg	ND	
Benzo (g,h,i) perylene (BPE)	mg/kg	ND	
Acenaphtylene (ACY)	mg/kg	ND	
Acenaphtene (ACE)	mg/kg	ND	
Fluorene (FLU)	mg/kg	ND	
Phenanthrene (PHE)	mg/kg	ND	
Anthracene (ANT)	mg/kg	ND	
Fluoranthene (FLT)	mg/kg	ND	
Pyrene (PYR)	mg/kg	ND	
Conclusion	-	PASS	

#### Remark1:

Note: ND = Not detected ">" = More than Conc. = Concentration

% = percent = 10000 mg/kg mg/kg = milligram per kilogram Detection Limit (mg/kg): Each 0.2

#### Remark2:

- The list of phthalates is summarized in table of Appendix



(**7221**)**362-0143** February 15, 2022

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#### **TEST RESULT**

# <u>Overall Migration Test for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 2020/1245</u>

**Test Condition**: OM 2: 10 day at 40 °C (Olive oil )

			Result		Marina	
Simulant Used	Unit	I001			Maximum Allowable	Analytical
Simulant Osed	Unit	1st Migrate	2nd Migrate	3rd Migrate	Limit(3 <sup>rd</sup> )	Tolerance
Food contact surface area	dm <sup>2</sup>		0.48		-	-
Volume of stimulant used	mL		48		ı	-
Olive oil	mg/dm <sup>2</sup>	26.94	<5	<5	10	+3
Conclusion	-	PASS			-	-

Note: "<" = less than

mg/dm<sup>2</sup> = milligram per square decimeter

Method: EN 1186-1: 2002;EN 1186-2: 2002;

Remark: 1) The migration test is carried out according to EC Regulation No. 2020/1245

- 2) For article intended for repeated use, the migration tests are carried out three times on the same test sample.
- 3) The test condition and simulant used were specified by client.
- 4) Selected test was specified by client.



(**7221**)**362-0143** February 15, 2022

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#### **TEST RESULT**

# <u>Specific Migration of Acrylonitrile for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU)</u> <u>No 2020/1245</u>

**Test Condition**: 10 day at 40 °C (3% Acetic acid )

				Maximum		
Parameter	Simulant	TT *4			Allowable	
Parameter	Used	Unit	1st Migrate	2nd Migrate	3rd Migrate	Limit
Food contact surface area	-	dm <sup>2</sup>	8	8.14		-
Volume of stimulant used	-	mL		1500		-
Acrylonitrile	3% Acetic acid	mg/kg	< 0.01	< 0.01	< 0.01	Not Detected
Conclusion	-	-		PASS		-

Note: "<" = less than

mg/kg = milligram per kilogram

Method: EN 13130-1: 2004 and EN 13130-3:2004.

Remark: 1) The migration test is carried out according to EU regulation No. 2020/1245.

- 2) Due to the fact that SML for Acrylonitrile is specified as not detectable meaning < 0.01 mg/kg, assessment has to be performed using the 1<sup>st</sup> migrate in any case no matter whether article/materials is intended for single or repeated use.
- 3) The test condition and simulant used were specified by client.
- 4) Selected test was specified by client.

-END OF REPORT-



# **Woolworth GmbH** TEST REPORT

February 02, 2023 Technical Report: (7222)329-0095-R1

Date Received: November 25, 2022 Page 1 of 15

Reconfirmation Date: /

Revision Date: February 02, 2023

CLIENT NAME WOOLWORTH GMBH COMPANY NAME DEPA EV VE MUTF. GER. SAN. VE TIC. LTD. STI. STREET ADDRESS SULEYMANIYE MH. ISMETIYE CD NO:10 CITY, STATE, ZIP FATIH **COUNTRY ISTANBUL** 

Sample(s) received is/are stated to be: **Sample Description:** 

1.5 L Krug 'Timeless'

Color/ Style Definition: Transparent / Smoked Grey Woolworth Order No.: 312996/00 Woolworth WGR No .: Season: 803

2000009895629 - 2000009895636 San Acrylic Order No.: Fiber Content:

1563-150 Charisma Transparent Jug

1.5 Lt. Style No.: Fabric Mill: 4530-150 Charisma Smoked Gray

Jug 1.5 Lt.

Age Grade:

Country of Origin: **TURKEY** Product End Use: 150 Charisma Jug 1.5 Lt. Country of Destination: TURKEY

Garment Factory: Care Instruction:

November 25, 2022 to January 16, Test Period: No. of Working Days: 37 2023

SAMPLE DESCRIPTION ASSIGNED BY LABORATORY:

ITEM	ITEM DESCRIPTION
I001	Smoked Grey Plastic

BV CPS TEST LABORATUVARLARI LTD. STI. BUREAU VERITAS CONSUMER PRODUCTS SERVICES

Test Package:

Yalçın Koreş Caddesi No:22 Erdinç Binaları A Blok 2. Kule 1. Kat 34209 Güneşli, Istanbul / Turkey Tel:+90.212.494 35 35 Fax:+90.212.494 35 60 email:info.turkey@bvcps.com.tr website: www.bureauveritas.com/cps

This report is governed by, and incorporates by reference, CPS Conditions of Service as posted at the date of issuance of this report at Into report is governed by, and incorporates by reterence, CPS Conditions or Service as posted at the date or issuance of this report at <a href="http://www.bureauveritac.com/home/about-us/our-business/cps/about-us/terms-conditions/and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute you unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

Retest Number:



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### SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	FAILED COMPONENT(S)	REMARK
Overall Migration with 3% Acetic Acid for Plastic Materials in Contact with Foodstuffs per Commission Regulation (EU) No. 2020/1245*	PASS		
Overall Migration with 20% Ethanol for Plastic Materials in Contact with Foodstuffs per Commission Regulation (EU) No. 10/2011 and Its Amendments*	PASS		
Overall Migration with 50% Ethanol for Plastic Materials in Contact with Foodstuffs per Commission Regulation (EU) No. 10/2011 and Its Amendments*	PASS		
Specific Migration of Heavy Metals for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) 2020/1245	PASS		
Volatile Organic Matter in Plastic and Rubber	PASS		
Sensory Test (Odour and Taste)	PASS		
Colorfastness Of Plastics	PASS		
Phthalates*	PASS		
Polycyclic Aromatic Hydrocarbons (PAHs)*	PASS		
Specific Migration of Acrylonitrile for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 10/2011 and Its Amendments	PASS		



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#### **REMARK**

If there are questions or concerns on this report, please contact:

+90 212 494 35 35

muhammet.ozbay@bureauveritas.com

**I.** (7222)329-0095 test report (dated January 16, 2023) is not valid, it is replaced by this report (7222)329-0095-R1

**II.** As per client's request "Order number" has been added to test report.

As per client's request "Specific Migration of Acrylonitrile for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 10/2011 and Its Amendments" test has been added to test report.

**III.** "Specific Migration of Acrylonitrile for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 10/2011 and Its Amendments" test analysis has been performed by BV-HONG KONG Laboratories as subcontracted. [Report No: (5222)343-0272].

Bureau Veritas Consumer Products Services Turkey BV CPS Test Lab. Ltd. Sti.

Muhammet Ozbay Client Team Lead Hasan Altingul Deputy Operations Manager



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# -Photo of the Submitted Sample-





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	tion with 3% Acetic Acide egulation (EU) No. 2020/124		Contact with Foodstuffs per
Test Met	and Annex V for selection	sion Regulation (EU) No 10/20 of condition and EN 1186-1 for imulants by article immersion	-
Test Condit	ions: 10 days, 40°C, 3rd cycle		
Simulant U	Jsed: 3% Acetic Acid (W/V) Aq	ueous Solution	
	F	Result(s) (mg/dm²)	
		I001	
	1st Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> Migration
Trial 1 :	<2.5	<2.5	<2.5
Trial 2 :	<2.5	<2.5	<2.5
Trial 3 :	<2.5	<2.5	<2.5
Average :	<2.5	<2.5	<2.5
<b>Conclusion:</b>		Pass	
	g/kg = milligram per kilogram o g/dm <sup>2</sup> = milligram per square de		with
Re	porting Limit: 2,5 mg/dm <sup>2</sup>		
Pern	nissible Limit: 10 mg/dm <sup>2</sup>		
2. 3. 4. 5. 6.	amendments.  Analytical tolerance of aqueous Test condition & simulant were 10/2011 of 14 January 2011 wi The volume of simulant used is The ratio of surface area to volume Total food contact surface area to Commission Regulation (EU	e specified by client,/ according th amendments.  3 0.1 L.  2 ume ratio is 0.6 dm² per 1 kg of whole article is applied in the specified in th	g to Commission Regulation (EU) No f foodstuff in contact with. he calculation of the result according
	calculation of the result.	1,0	



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Overall Migr	ation v	with 20% Ethanol for Pla	astic Materials in Contact w	ith Foodstuffs per		
		ntion (EU) No. 10/2011 a				
Test M			ion Regulation (EU) No 10/2011			
			on of condition and EN 1186-1 for			
			mulants by total immersion meth	od		
	EN 1186-5 aqueous food simulants by cell method					
			mulants by article filling method			
		•	Migration)			
Simulant	t Used:	20% Ethanol (V/V) Aqueou	is Solution			
		Resu	ult(s) (mg/dm <sup>2</sup> )			
			1001			
		1st Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> Migration		
Trial 1	:	<2.5	<2.5	<2.5		
Trial 2	:	<2.5	<2.5	<2.5		
Trial 3	:	<2.5	<2.5	<2.5		
Average	:	<2.5	<2.5	<2.5		
Conclusion	:		Pass			
Note(s):	n.d. = r	not detected				
` ,		egree Celsius				
		= milligram per kilogram of	foodstuff in contact with			
			imeter of foodstuff in contact wi	th		
	mg/um	– illinigralli per square deci	imeter of foodstuff in contact wi	uii 		
F	Reporti	<b>ng Limit</b> : 10 mg/kg – 2,5 m	ng/dm <sup>2</sup>			
Pe	rmissib	ole Limit: 60 mg/kg - 10 mg	g/dm <sup>2</sup>			
Remark(s) ·	1 Perr	nissible limit specified by C	Commission Regulation (EU) No	10/2011 of 14 January 2011		
Tremma n(b)		amendments.	ommission regulation (20) 110	10,2011 01 1. 04114415 2011		
	2. Ana	2. Analytical tolerance of aqueous simulants is 2 mg/dm <sup>2</sup> or 12 mg/kg.				
	3. Test condition & simulant were specified by client,/ according to Commission Regulation (EU)					
	No 10/2011 of 14 January 2011 with amendments.					
	<b>4.</b> The	volume of simulant used is	0.1 L.			
	5. The ratio of surface area to volume ratio is 0.6 dm <sup>2</sup> per 1 kg of foodstuff in contact with.					
	6. Tota	al food contact surface area	of whole article is applied in	the calculation of the result		
			ation (EU) No 10/2011 of 14 Jan			
			of cap, gaskets, stopper or simila	ar sealing article is applied in		
	the o	calculation of the result.				



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	egulation (EU) No. 10/2011 a		4 C44 X 2044 :		
Test Me	thod: With reference to Commis				
		ion of condition and EN 1186-1 imulants by total immersion met			
	EN 1186-5 aqueous food s		iiou		
		imulants by article filling metho	d		
Test Condit		Migration)			
Simulant 1	Used: 50% Ethanol (V/V) Aqueo	ous Solution			
	Res	sult(s) (mg/dm²)			
		I001			
	1st Migration	2 <sup>nd</sup> Migration	3 <sup>rd</sup> Migration		
Trial 1 :	5.50	4.17	<2.5		
Trial 2 :	5.33	4.00	<2.5		
Trial 3 :	4.67	3.67	<2.5		
Average :	5.17	3.94	<2.5		
Conclusion :		Pass			
Note(s):	.d. = not detected				
0,	C = degree Celsius				
n	ng/kg = milligram per kilogram o	f foodstuff in contact with			
n	ng/dm² = milligram per square de	cimeter of foodstuff in contact w	rith		
Re	porting Limit: 10 mg/kg – 2,5	mg/dm <sup>2</sup>			
	missible Limit: 60 mg/kg - 10 n				
Remark(s): 1	Permissible limit specified by with amendments.	Commission Regulation (EU) N	o 10/2011 of 14 January 20		
2	• Analytical tolerance of aqueous simulants is 2 mg/dm <sup>2</sup> or 12 mg/kg.				
3	Test condition & simulant were specified by client,/ according to Commission Regulation (EU				
	No 10/2011 of 14 January 2011				
	. The volume of simulant used is				
5	The ratio of surface area to volume ratio is 0.6 dm <sup>2</sup> per 1 kg of foodstuff in contact with.				
6	. Total food contact surface are				
		alation (EU) No 10/2011 of 14 Ja			
7	Only food contact surface area	of cap, gaskets, stopper or simi	lar sealing article is applied		
	the calculation of the result.				



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#### TEST RESULTS

# <u>Specific Migration of Heavy Metals for Plastic Materials in Contact with Foodstuffs – Commission Regulation</u> (EU) No. 2020/1245\*

Test Condition: 3% Acetic acid: 40°C, 10 days, 3 cycle

Parameter	Simulant Used	Unit		Result I001	s	Maximum Allowable Limit
i ai ametei		Omt	1st cycle	2 <sup>nd</sup> cycle	3 <sup>rd</sup> cycle	-
Food contact surface area	-	dm <sup>2</sup>	0.6	0.6	0.6	-
Volume of simulant used	-	mL	100	100	100	-
Aluminum (Al)	3% Acetic acid	mg/kg	< 0.1	< 0.1	< 0.1	1
Barium (Ba)	3% Acetic acid	mg/kg	< 0.1	< 0.1	< 0.1	1
Cobalt (Co)	3% Acetic acid	mg/kg	< 0.01	< 0.01	< 0.01	0.05
Copper (Cu)	3% Acetic acid	mg/kg	< 0.5	< 0.5	< 0.5	5
Iron (Fe)	3% Acetic acid	mg/kg	<5	<5	<5	48
Lithium (Li)	3% Acetic acid	mg/kg	< 0.1	< 0.1	< 0.1	0.6
Manganese (Mn)	3% Acetic acid	mg/kg	< 0.1	< 0.1	< 0.1	0.6
Zinc (Zn)	3% Acetic acid	mg/kg	<3	<3	<3	5
Nickel (Ni)	3% Acetic acid	mg/kg	< 0.01	< 0.01	< 0.01	0.02
Antimony (Sb)	3% Acetic acid	mg/kg	< 0.01	< 0.01	< 0.01	0.04
Europium (Eu)	3% Acetic acid	mg/kg	< 0.01	< 0.01	< 0.01	0.05
Gadolinium (Gd)	3% Acetic acid	mg/kg	< 0.01	< 0.01	< 0.01	0.05
Lanthanum (La)	3% Acetic acid	mg/kg	< 0.01	< 0.01	< 0.01	0.05
Terbium (Tb)	3% Acetic acid	mg/kg	< 0.01	< 0.01	< 0.01	0.05
Sum of Europium (Eu), Gadolinium (Gd), Lanthanum (La), and Terbium (Tb)	3% Acetic acid	mg/kg	<0.01	<0.01	<0.01	0.05
Arsenic (As)	3% Acetic acid	mg/kg	< 0.01	< 0.01	< 0.01	ND
Cadmium (Cd)	3% Acetic acid	mg/kg	< 0.002	< 0.002	< 0.002	ND (0.002)
Chromium (Cr)	3% Acetic acid	mg/kg	< 0.01	< 0.01	< 0.01	ND
Lead (Pb)	3% Acetic acid	mg/kg	< 0.01	< 0.01	< 0.01	ND
Mercury (Hg)	3% Acetic acid	mg/kg	< 0.01	< 0.01	< 0.01	ND
Conclusion	-	-	PASS	PASS	PASS	-

Note: "<" = less than

mg/kg = milligram per kilogram

Method: EN 13130-1: 2004 and analysis by Inductively Coupled Argon Plasma Spectrometer (ICP).

Remark: 1) The migration test is carried out according to EC Regulation No. 2020/1245

2) Selected tests were specified by client.



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#### **TEST RESULTS**

# **Volatile Organic Matter in Plastic and Rubber**

**Test Method**: In House Test Method CPSD-AN-00022-MTHD

**Test Conditions** : 90°C, 24 hours.

Danamatan	Unit	Result		Requirement	
Parameter	Unit	I001			
		Trial 1	Trial 2	Average	
Volatile Organic Matter	mg/dm <sup>2</sup>	1.87	1.87	1.87	1.00
Conclusion	-		PASS		-

Note: "<" = less than

Method: Gravimetric method.

**Remark:** The limit refers to BfR Recommendation XV



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### **TEST RESULTS**

# **Colorfastness Of Plastics**

Test method: CPSD-AN-00759-MTHD

**Test Condition:** 5 hours, 50°C

Tested Item(s) I001	Result (Grade) %2 Acetic Acid	Result (Grade) 10% Ethanol	Limit (Grade)
Colorfastness	5	5	5
Conclusion	PASS		



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#### **TEST RESULT**

### **Sensory Test (Odour and Taste)**

Test method: BV CPS In House Method, CPSD-AN-00084-MTHD, DIN 10955

Test condition: Water, 10 days at 40°C

-	F	Results			
Tested Item(s)	Parameter	Limit	Conc.	Unit	Conc.
T001	Change of Odour	≤ 2.5	0.0	-	Pass
I001	Change of Taste	≤ 2.5	0.0	1	Pass

Off-odour in comparison with control

0 = no perceptible off-odour

1 = off-odour just perceptible (but still difficult to

define)

2 = slight off-odour 3 = distinct off-odour 4 = strong off-odour Off-taste in comparison with control

0 = no perceptible off-taste

1 = off-taste just perceptible (but still difficult

define)

2 = slight off-taste 3 = distinct off-taste

4 = strong off-taste



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### **TEST RESULT**

### **PHTHALATES CONTENT**

**Test Method** : Solvent extraction and analysis by Gas Chromatograph Mass Spectrometer (GC-MS)

or Liquid Chromatograph Mass Spectrometer (LC-MS).

Maximum Limit:	DEHP, DBP, BBP: 0.1% (Total) DINP, DIDP, DNOP: 0.1% (Total) Others: 0.1% (Total)
----------------	--

Togtod Itom(a)	Result	Result		Conclusion
Tested Item(s)	Detected Analyte(s)	Conc.	Unit	Conclusion
I001	/	ND	%	PASS

Note:

ND = Not detected ">" = More than Conc. = Concentration

% = percent = 10000 mg/kg mg/kg = milligram per kilogram

Detection Limit (%): Each 0.005

#### Remark:

- The list of phthalates is summarized in table of Appendix.



ND

mg/kg

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PASS

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### **TEST RESULT**

### POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) CONTENT

**Test Method**: With reference to test method mentioned in German AfPS GS 2019:01 PAK.

Maximum Limit:	Benzo (a) pyrene 0.2 mg/kg Sum of total 18 PAHs 0.2 mg/kg				
Togtod Itom(g)	Type	Result			Conclusion
Tested Item(s)	Type	Detected Analyte(s)	Conc.	Unit	Conclusion

Note:

**I001** 

ND = Not detected ">" = More than mg/kg = milligram per kilogram
Detection Limit (mg/kg): 0.1 (Each)

Conc. = Concentration

#### Remark:

- The list of polycyclic aromatic hydrocarbons is summarized in table of Appendix.



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#### **TEST RESULT**

# <u>Specific Migration of Acrylonitrile for Plastic Materials in Contact with Foodstuffs – Commission Regulation</u> (EU) No. 10/2011 and Its Amendments

Test Condition: 3% Acetic acid: 40 °C, 10days

			Result 1			Maximum
Parameter	Simulant Used	Unit	1 <sup>st</sup>	2 <sup>nd</sup>	$3^{\rm rd}$	Allowable Limit
			Migratio	Migratio	Migratio	
			n	n	n	
Food contact	_	$dm^2$	6.78	6.78	6.78	_
surface area	_	um	0.76	0.76	0.76	_
Volume of		mL	1000	1000	1000	
simulant used	-	IIIL	1000	1000	1000	-
A amula mituila	3% Acetic acid	ma/Ira	0.0264	0.0245	< 0.01	Not Detected
Acrylonitrile	5% Acetic acid	mg/kg	0.0204	0.0245	<0.01	(<0.01)
Conclusion	-	-	FAIL	FAIL	PASS	-

Test Item 1: Translucent grey plastic (pitcher, SAN)

Note: "<" = less than

mg/kg = milligram per kilogram

Method: EN 13130-1:2004 and EN 13130-3:2004.

Remark: 1) The migration test is carried out according to EC Regulation No. 10/2011 and the corresponding regulatory statutes.

2) Selected test, test condition and test stimulant were specified by client.



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# **APPENDIX**

No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Naphthalene	91-20-3	10	Chrysene	218-01-9
2	Acenaphthylene	208-96-8	11	Benzo (a) pyrene	50-32-8
3	Acenaphthene	83-32-9	12	Indeno (1,2,3-cd) pyrene	193-39-5
4	Fluorene	86-73-7	13	Dibenzo (a,h) anthracene	53-70-3
5	Phenanthrene	85-01-8	14	Benzo (g,h,i) perylene	191-24-2
6	Antracene	120-12-7	15	Benzo (b) fluoranthene	205-99-2
7	Fluoranthene	206-44-0	16	Benzo (k) fluoranthene	207-08-9
8	Pyrene	129-00-0	17	Benzo (j) fluoranthene	205-82-3
9	Benzo (a) anthracene	56-55-3	18	Benzo (e) pyrene	192-97-2

List	List of Phthalates:						
No ·	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.		
1	Butyl benzyl phthalate (BBP)	85-68-7	8	1,2-benzenedicarboxylic acid, di- C7-11 branched alkyl ester and linear alkyl ester (DHNUP)	68515-42-4		
2	Dibutyl phthalate (DBP)	84-74-2	9	1,2-benzenedicarboxylic acid, di- C6-8-branched alkyl ester, C7- rich (DIHP)	71888-89-6		
3	Di-2-ethylhexyl phthalate (DEHP)	117-81-7	10	Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8		
4	Di-n-octyl phthalate (DNOP)	117-84-0	11	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0		
5	Di-iso-nonyl phthalate (DINP)	28553-12-0	12	N-pentyl-isopentylphtalate (iPnPP)	776297-69-9		
6	Di-iso-decyl phthalate (DIDP)	26761-40-0	13	Diisopentylphthalate	605-50-5		
7	Di-isobutyl phthalate (DIBP)	84-69-5	-	-	-		

### -END OF REPORT-



**COMPANY NAME** 

# **TEST REPORT**



TL-961

72230720421

21.03.2023

LAB LOCATION: TURKEY LAB NO.: (7223)072-0421 **SERVICE TYPE: Regular DATE IN: March 13, 2023** DATE OUT: March 21, 2023

DEPA EV VE MUTFAK GERECLERI SAN VE TIC LTD STI

(Address: Süleymaiye mh. Ismetiye Cad. No:10 Fatih/Istanbul)

(Attn: Gizem GOKTAS gizem@demoonji.com

052 - Gold Acrylic Round Under Plate SAMPLE DESCRIPTION

MODEL/STYLE NO 1797300701

**SUPLIER CODE** 

BUYER TEDi GmbH & Co. KG

**MANUFACTURER** DEPA EV VE MUTFAK GERECLERI SAN VE TIC LTD STI

PRODUCTION DATE

**COUNTRY OF ORIGIN TURKIYE** 

**COUNTRY OF DESTINATION GERMANY** 

**OVERALL CONCLUSION PASS** 

C/N GK/MO

BV CPS TEST LABORATUVARLARI LTD. STI. BUREAU VERITAS CONSUMER PRODUCTS SERVICES Yalcin Kores Caddesi No:22 Erdinc Binalari A Blok 2. Kule 1. Kat 34209 Gunesli, Istanbul / Turkey Tel:+90.212.494 35 35 Fax:+90.212.494 35 60

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Testing reports without signature are not valid.

By CPS Test Laboratories Ltd.§ti. is not responsible for deviations for the accuracy of the information provided by the customer that may affect the validity of the test results.

The sample(s) were sent to By CPS Test Laboratories Ltd.§ti by the client/vendor via courier, cargo and/or manual delivery. Therefore, sampling was not one By CPS. Test results given in this test report represent only the sample(s) delivered to laboratory. When a statement of conformity (Pass/Fail) is given regarding the test results the value of measurement uncertainty is evaluated according to the Shared Risk Decision Rule and conformity assessment is reported without evaluating measurement uncertainty.



TL-961

72230720421

21.03.2023

SUMMARY OF TEST RESULTS				
TEST REQUIRED	Conclusion			
Overall Migration with 3% Acetic Acid ( <b>Simulant B</b> ) for Plastic Materials in Contact	P			
with Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments*				
Overall Migration with 10% Ethanol ( <b>Simulant A</b> ) for Plastic Materials in Contact with	P			
Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments*				
Overall Migration with 95% Ethanol ( <b>Simulant S1</b> ) for Plastic Materials in Contact with	P			
Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments*				
Overall Migration with Isooctane ( <b>Simulant S2</b> ) for Plastic Materials in Contact with Foodstuffs	P			
per Commission Regulation (EU) No. 2020/1245 and Its Amendments*				
Sensory Test (Odour and Taste) - Simulant Water	P			
Phthalates*	P			
* IAS Accredited Tests				

REM	REMARKS				
1	:	P: Pass, F: Fail, DATA: No Evaluation			
2	:	The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor of $k=2$ , providing a level of confidence of approximately 95%. Unless otherwise is specified, the uncertainty of measurement has not been taken into account when assessing pass/fail of the sample against the requirements of the standard. In case consideration of measurement uncertainties when assessing pass/ fail limits, some results may be in borderline.			
3	:	The test result, the uncertainties (if applicable) with confidence probability are given on the following pages which are part of this report.			
4	:	Test reports without authorized signatures are invalid.			
5	:	The test results included in the report belongs to only tested sample(s).			

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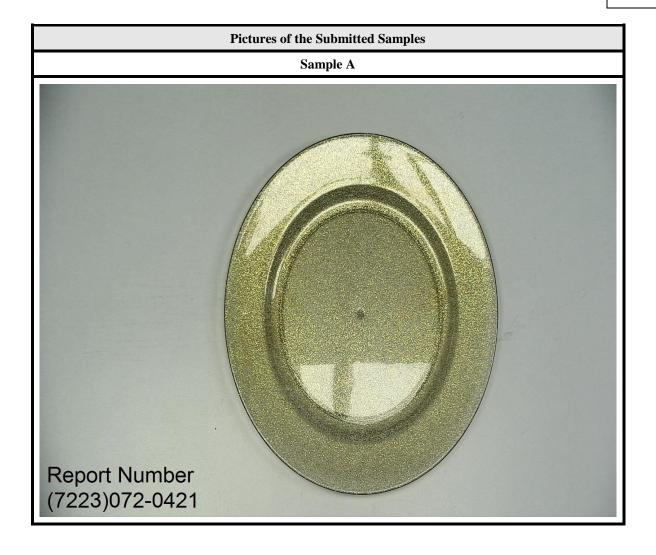
**Muhammet Ozbay Client Team Lead**  Hasan Altingul Deputy Operations Manager



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Component List / List of Materials for Chemical Tests					
Sample	le Item No Component Material Colour				
A	I001	Shiny Gold Round Plate	Acrylic	Shiny Gold	





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Overall Migra	ation with 3% Acetic Acid (Sir	nulant B) for Plastic Mater	ials in Contact with				
	Commission Regulation (EU						
Test Mo		With reference to Commission Regulation (EU) No 2020/1245 of 2 September 2020					
		Annex III and Annex V for selection of condition and EN 1186-1/3 for selection of test					
	methods.	als and articles in contact with f	andstuffs Dissting Test				
	methods for overall migration		oodstuits. Plastics - Test				
Test Condi		Migration )					
	Used: 3% Acetic Acid (W/V) Aqu						
	Resu	ult(s) (mg/dm <sup>2</sup> )					
	1st 4*	1001	2rd 3/42 42				
m + 14	1 <sup>st</sup> migration : <2.5	2 <sup>nd</sup> migration <2.5	3 <sup>rd</sup> Migration <2.5				
Trial 1		<2.5	<2.5				
Trial 2							
Trial 3		<2.5	<2.5				
Average		<2.5 <2.5 <2.5					
Conclusion	:	Pass					
Note(s):	n.d. = not detected						
	C = degree Celsius	egree Celsius					
1	ng/kg = milligram per kilogram of	= milligram per kilogram of foodstuff in contact with					
1	mg/dm <sup>2</sup> = milligram per square dec	imeter of foodstuff in contact w	ith				
D	eporting Limit: 10 mg/kg – 2,5 m	ag/dm²					
	rmissible Limit: 60 mg/kg - 2,5 mg/kg - 10 mg	•					
	•						
, ,	Permissible limit specified by Co 2020 with amendments.						
2	2. Analytical tolerance of aqueous	simulants is 2 mg/dm <sup>2</sup> or 12 mg	/kg.				
•	Test condition & simulant were (EU) No 2020/1245 of 2 Septem		Commission Regulation				
-	4. The volume of simulant used is 0.1 L.						
5. The ratio of surface area to volume ratio is 0.6 dm <sup>2</sup> per 1 kg of foodstuff in contact w							
	6. Total food contact surface area of						
	according to Commission Regul	ation (EU) No 2020/1245 of 2 S	September 2020.				
7	7. Only food contact surface area of	of cap, gaskets, stopper or similar	r sealing article is applied in				
	the calculation of the result.						





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	ation with 10% Ethanol (Simul r Commission Regulation (EU					
	ethod: With reference to Commissi Annex III and Annex V for s methods.	on Regulation (EU) No 2020/1 selection of condition and EN 1	245 of 2 September 2020 186-1/3 for selection of test			
Test Cond	itions: 2 hours at 70 °C (3 <sup>rd</sup> N	Migration )				
Simulant	Used: 10% Ethanol (V/V) Aqueou	s Solution				
	Resu	lt(s) (mg/dm²) 1001				
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> Migration			
Trial 1	: <2.5	<2.5	<2.5			
Trial 2	: <2.5	<2.5	<2.5			
Trial 3	: <2.5	<2.5	<2.5			
Average	: <2.5	<2.5	<2.5			
Conclusion	:	Pass				
Note(s):  n.d. = not detected  °C = degree Celsius  mg/kg = milligram per kilogram of foodstuff in contact with  mg/dm² = milligram per square decimeter of foodstuff in contact with						
R	<b>Reporting Limit :</b> $10 \text{ mg/kg} - 2.5 \text{ m}$	g/dm <sup>2</sup>				
Pe	<b>rmissible Limit :</b> 60 mg/kg - 10 mg	r/dm <sup>2</sup>				
	<ol> <li>Permissible limit specified by Co 2020 with amendments.</li> <li>Analytical tolerance of aqueous s (EU) No 2020/1245 of 2 Septem</li> <li>The volume of simulant used is 0.</li> <li>The ratio of surface area to volum</li> <li>Total food contact surface area of according to Commission Regular</li> </ol>	simulants is 2 mg/dm <sup>2</sup> or 12 mg specified by client,/ according the 2020 with amendments.  1.1 L.  The ratio is 0.6 dm <sup>2</sup> per 1 kg of for the specified in the	vkg. o Commission Regulation Coodstuff in contact with. calculation of the result			





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_	tion with 95% Ethanol (Simul Commission Regulation (EU					
	thod: With reference to Commission III and Annex V for selection	on Regulation (EU) No 2020, n of condition and EN 1186-1. Ils and articles in contact with				
Test Condi	tions: 2 hours at 70 °C, Performed	at: 2 hours at 60 °C	(3 <sup>rd</sup> Migration)			
Simulant 1	Used: 95% Ethanol (V/V) Aqueous	s Solution				
	Res	ult(s) (mg/dm²) I001				
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> Migration			
Trial 1 :	<2.5	<2.5	<2.5			
Trial 2 :	<2.5	<2.5	<2.5			
Trial 3 :	<2.5	<2.5	<2.5			
Average :	<2.5	<2.5	<2.5			
Conclusion:		Pass				
n *		meter of foodstuff in contact oil is recommended for comp	with pliance confirmation if the material d Rigid Plastics, PS, SAN, ABS,			
Re	porting Limit: 10 mg/kg – 2,5 m	g/dm <sup>2</sup>				
Per	missible Limit: 60 mg/kg - 10 mg	$/dm^2$				
Permissible Limit: 60 mg/kg - 10 mg/dm²  Remark(s): 1. Permissible limit specified by Commission Regulation (EU) No 2020/1245 of 2 September 2020 with amendments.  2. Analytical tolerance of aqueous simulants is 2 mg/dm² or 12 mg/kg.  3. Test condition & simulant were specified by client,/ according to Commission Regulation (EU) No 2020/1245 of 2 September 2020 with amendments.  4. The volume of simulant used is 0.1 L.  5. The ratio of surface area to volume ratio is 0.6 dm² per 1 kg of foodstuff in contact with.  6. Total food contact surface area of whole article is applied in the calculation of the result according to Commission Regulation (EU) No 2020/1245 of 2 September 2020.  7. Only food contact surface area of cap, gaskets, stopper or similar sealing article is applied in the calculation of the result.						





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	ation with Isooctane (Simular		Contact with Foodstuffs			
per Commiss Test Method:	With reference to Commis Annex III and Annex V fo methods. BS EN 1186-3:2022 Mater	Regulation (EU) No. 2020/1245 and Its Amendments  With reference to Commission Regulation (EU) No 2020/1245 of 2 September 2020  Annex III and Annex V for selection of condition and EN 1186-1/3 for selection of test methods.  BS EN 1186-3:2022 Materials and articles in contact with foodstuffs. Plastics - Test methods for overall migration in evaporable simulants.				
<b>Test Condition</b>	s: 2 hours at 70 °C, Performe	ed at : 0.5 hours at 40 °C (3	<sup>rd</sup> Migration)			
Simulant Used	: Isooctane					
	Res	sult(s) (mg/dm²) I001				
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> Migration			
Trial 1	: <2.5	<2.5	<2.5			
Trial 2		<2.5	<2.5			
Trial 3	: <2.5	<2.5	<2.5			
Average	<2.5	<2.5	<2.5			
Conclusion	:	Pass				
	n.d. = not detected  °C = degree Celsius					
	mg/kg = milligram per kilogram o	of foodstuff in contact with				
	$mg/dm^2 = milligram per square de$		th			
	* Further verification by vegeta material of the sample is not Nylo ABS, Melamine.	ble oil is recommended for con	mpliance confirmation if the			
R	<b>Reporting Limit:</b> 10 mg/kg – 2,5	mg/dm <sup>2</sup>				
Pe	rmissible Limit: 60 mg/kg - 10 m	ng/dm <sup>2</sup>				
	1. Permissible limit specified by 0 2020 with amendments.					
	2. Analytical tolerance of aqueous		_			
	(EU) No 2020/1245 of 2 Septe	Test condition & simulant were specified by client,/ according to Commission Regulation EU) No 2020/1245 of 2 September 2020 with amendments.				
		The volume of simulant used is 0.1 L.				
	5. The ratio of surface area to vol					
	6. Total food contact surface area					
	<ul><li>7. Only food contact surface area in the calculation of the result.</li></ul>	n Regulation (EU) No 2020/1245 of cap, gaskets, stopper or similar				



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#### **TEST RESULTS**

#### Sensory Test (Odour and Taste) - Simulant Water

Test method: BV CPS In House Method, CPSD-AN-00084-MTHD, DIN 10955

**Test condition:** Water, 2 hours - 70°C

-					
Tested Item(s)	Parameter Limit Conc. Unit				Conc.
I001	Change of Odour	≤ 2.5	0.0	-	Pass
1001	Change of Taste	≤ 2.5	0.0	-	Pass

Off-odour in comparison with control

0 = no perceptible off-odour

1 = off-odour just perceptible (but still difficult to define)

2 = slight off-odour 3 = distinct off-odour

4 = strong off-odour

Off-taste in comparison with control

0 = no perceptible off-taste

1 = off-taste just perceptible (but still difficult to define)

2 = slight off-taste 3 = distinct off-taste

4 = strong off-taste



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#### **TEST RESULT**

#### **Phthalates Content**

**Test Method** : CPSD-AN-00095-MTHD/45

Quantification analysis by GC-MS or LC-DAD-MS

<b>Maximum Limit:</b>	1000 mg/kg			
Tooted Herry(s)	Result			Complusion
Tested Item(s)	Detected Analyte(s)	Conc.	Unit	Conclusion
I001	/	ND	mg/kg	PASS

Note:

ND = Not detectedmg/kg = milligram(s) per kilogram 10 000 mg/kg = 1 %

Detection Limit ( mg/kg ) - 50 each

">" = Greater than

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mg/kg = ppm = part(s) per million

% = percent

Conc. = Concentration

#### Remark:

- The list of Phthalates is summarized in table of Appendix.

Prepared by: Muhammet Ozbay Controlled by: Bengüsu Dihan Kasap Approved by: Doğukan Keskin



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APPENDIX A –LIST OF MEASUREMENT UNCERTAINTIES					
TEST NAME STANDARD NAME MEASUREMENT UNCERTAINTY					
Phthalates Content CPSD-AN-00095-MTHD $\pm$ %14.59					

APPENDIX						
Test Name	Standard	In-house Method	Measurement Uncertainity			
Overall Migration: Total Immersion Method – Simulant B	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 9,7			
Overall Migration: Total Immersion Method – Simulant A	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 10,0			
Overall Migration: Total Immersion Method – Simulant S1	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 9,7			
Overall Migration: Total Immersion Method – Simulant S2	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 8,8			

#### **APPENDIX**

List of Phthalates:						
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.	
1	Dibutyl phthalate (DBP)	84-74-2	5	Diisobutyl phthalate (DiBP)	84-69-5	
2	Di-iso-decyl phthalate (DIDP)	26761-40-0 and 68515-49-1	6	Benzyl butyl phthalate (BBP)	85-68-7	
3	Di-isononyl phthalate (DINP)	28553-12-0 and 68515-48-0	7	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	
4	Di-n-octyl phthalate (DNOP)	117-84-0				

-END OF REPORT-



**COMPANY NAME** 

# **TEST REPORT**



TL-961

72230720423

21.03.2023

LAB LOCATION: TURKEY LAB NO.: (7223)072-0423 **SERVICE TYPE: Regular DATE IN: March 13, 2023** DATE OUT: March 21, 2023

DEPA EV VE MUTFAK GERECLERI SAN VE TIC LTD STI

(Address: Süleymaiye mh. Ismetiye Cad. No:10 Fatih/Istanbul)

(Attn: Gizem GOKTAS gizem@demoonji.com

SAMPLE DESCRIPTION 053 – Black Acrylic Round Under Plate

MODEL/STYLE NO 8401500701

**SUPLIER CODE** 

BUYER TEDi GmbH & Co. KG

**MANUFACTURER** DEPA EV VE MUTFAK GERECLERI SAN VE TIC LTD STI

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PRODUCTION DATE

**COUNTRY OF ORIGIN TURKIYE** 

**COUNTRY OF DESTINATION GERMANY** 

**OVERALL CONCLUSION PASS** 

C/N GK/MO

Rev. No / Date: 04 / 23.08.2022

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21.03.2023

SUMMARY OF TEST RESULTS				
TEST REQUIRED	Conclusion			
Overall Migration with 3% Acetic Acid ( <b>Simulant B</b> ) for Plastic Materials in Contact	P			
with Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments*				
Overall Migration with 10% Ethanol ( <b>Simulant A</b> ) for Plastic Materials in Contact with	P			
Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments*				
Overall Migration with 95% Ethanol ( <b>Simulant S1</b> ) for Plastic Materials in Contact with	P			
Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments*				
Overall Migration with Isooctane ( <b>Simulant S2</b> ) for Plastic Materials in Contact with Foodstuffs	P			
per Commission Regulation (EU) No. 2020/1245 and Its Amendments*				
Sensory Test (Odour and Taste) - Simulant Water	P			
Phthalates*	P			
* IAS Accredited Tests				

REM	REMARKS			
1	:	P: Pass, F: Fail, DATA: No Evaluation		
2	:	The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor of $k=2$ , providing a level of confidence of approximately 95%. Unless otherwise is specified, the uncertainty of measurement has not been taken into account when assessing pass/fail of the sample against the requirements of the standard. In case consideration of measurement uncertainties when assessing pass/ fail limits, some results may be in borderline.		
3	:	The test result, the uncertainties (if applicable) with confidence probability are given on the following pages which are part of this report.		
4	:	Test reports without authorized signatures are invalid.		
5	:	The test results included in the report belongs to only tested sample(s).		

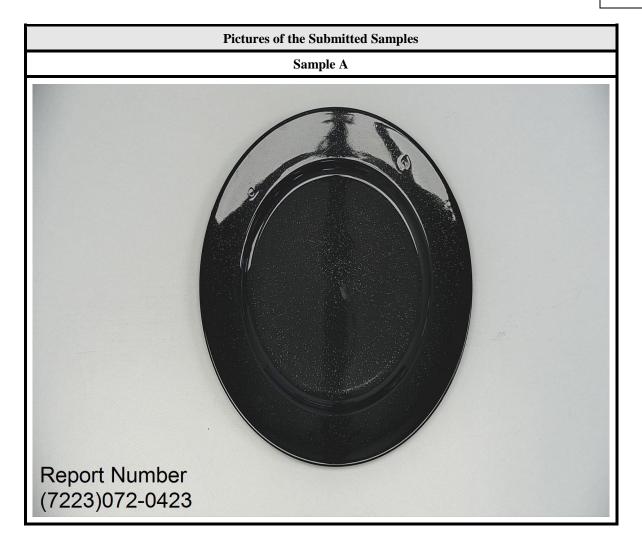
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**Muhammet Ozbay Client Team Lead**  Hasan Altingul Deputy Operations Manager





21.03.2023





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Component List / List of Materials for Chemical Tests					
Sample	Sample Item No Component Material Colour				
A	I001	Shiny Black Round Plate	Acrylic	Shiny Black	





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Overall Migra	tion with 3% Acetic Acid (Sin	nulant B) for Plastic Mater	ials in Contact with			
	Commission Regulation (EU					
Test Me		With reference to Commission Regulation (EU) No 2020/1245 of 2 September 2020				
		selection of condition and EN 1	186-1/3 for selection of test			
	methods.	als and articles in contact with f	andstuffs Dissting Test			
	methods for overall migration		oodstuffs. Plastics - Test			
Test Condi		Migration )				
	Used: 3% Acetic Acid (W/V) Aqu					
	Resu	ult(s) (mg/dm <sup>2</sup> )				
	1st 4	I001	2rd 3/42 42			
m + 14	1 <sup>st</sup> migration <2.5	2 <sup>nd</sup> migration <2.5	3 <sup>rd</sup> Migration <2.5			
Trial 1		<2.5	<2.5			
Trial 2						
Trial 3		<2.5	<2.5			
Average		<2.5	<2.5			
Conclusion		Pass				
Note(s):	n.d. = not detected					
c	C = degree Celsius					
r	ng/kg = milligram per kilogram of	foodstuff in contact with				
r	mg/dm <sup>2</sup> = milligram per square dec	imeter of foodstuff in contact w	ith			
D.	eporting Limit: 10 mg/kg – 2,5 m	ng/dm²				
	missible Limit: 60 mg/kg - 10 mg	_				
` `	Permissible limit specified by Co 2020 with amendments.					
	Analytical tolerance of aqueous					
3	3. Test condition & simulant were specified by client,/ according to Commission Regulation (EU) No 2020/1245 of 2 September 2020 with amendments.					
4	4. The volume of simulant used is 0.1 L.					
5	5. The ratio of surface area to volume ratio is 0.6 dm <sup>2</sup> per 1 kg of foodstuff in contact with.					
	6. Total food contact surface area of					
	according to Commission Regul	ation (EU) No 2020/1245 of 2 S	September 2020.			
7	7. Only food contact surface area o	of cap, gaskets, stopper or similar	r sealing article is applied in			
	the calculation of the result.					





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Overall Migration with 10% Ethanol (Simulant A) for Plastic Materials in Contact with Foodstuffs per Commission Regulation (EU) No. 2020/21245 and Its Amendments						
Test Method: With reference to Commission Regulation (EU) No 2020/1245 of 2 September 2020  Annex III and Annex V for selection of condition and EN 1186-1/3 for selection of test methods.  BS EN 1186-3:2022 Materials and articles in contact with foodstuffs. Plastics - Test methods for overall migration in evaporable simulants.						
		Migration )				
Simulant	Used: 10% Ethanol (V/V) Aqueou	s Solution				
	Resu	lt(s) (mg/dm <sup>2</sup> ) I001				
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> Migration			
Trial 1		<2.5	<2.5			
Trial 2		<2.5	<2.5			
Trial 3		<2.5	<2.5			
Average	: <2.5	<2.5	<2.5			
Conclusion	:	Pass				
Note(s):	n.d. = not detected					
	°C = degree Celsius					
	mg/kg = milligram per kilogram of	foodstuff in contact with				
	mg/dm² = milligram per square deci	meter of foodstuff in contact wi	th			
R	Reporting Limit: 10 mg/kg – 2,5 m	g/dm <sup>2</sup>				
	rmissible Limit: 60 mg/kg - 10 mg					
	1. Permissible limit specified by Co 2020 with amendments.		2020/1245 of 2 September			
	2. Analytical tolerance of aqueous simulants is 2 mg/dm <sup>2</sup> or 12 mg/kg.					
	Test condition & simulant were specified by client,/ according to Commission Regulation (EU) No 2020/1245 of 2 September 2020 with amendments.					
	<b>4.</b> The volume of simulant used is (					
	5. The ratio of surface area to volur	<u> </u>				
	Total food contact surface area o according to Commission Regula	ation (EU) No 2020/1245 of 2 Se	eptember 2020.			
	7. Only food contact surface area of the calculation of the result.	f cap, gaskets, stopper or similar	sealing article is applied in			





21.03.2023

0	ion with 95% Ethanol (Simul								
	Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments  Test Method: With reference to Commission Regulation (EU) No 2020/1245 of 2 September 2020 Annex								
III and Annex V for selection of condition and EN 1186-1/3 for selection of test methods.  BS EN 1186-3:2022 Materials and articles in contact with foodstuffs. Plastics - Test methods for overall migration in evaporable simulants.									
Test Condit	<b>Test Conditions:</b> 2 hours at 70 °C, Performed at : 2 hours at 60 °C (3 <sup>rd</sup> Migration)								
Simulant U	Jsed: 95% Ethanol (V/V) Aqueous	Solution							
	Res	ult(s) (mg/dm²) I001							
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> Migration						
Trial 1 :	2.83	<2.5	<2.5						
Trial 2 :	3.00	<2.5	<2.5						
Trial 3 :	3.50	<2.5	<2.5						
Average:	3.11	<2.5	<2.5						
<b>Conclusion:</b>		Pass							
m m * of	C = degree Celsius  g/kg = milligram per kilogram of f  g/dm <sup>2</sup> = milligram per square decir  Further verification by vegetable of the sample is not Nylon, PVC, felamine.	meter of foodstuff in contact woil is recommended for comple	iance confirmation if the material						
	porting Limit: 10 mg/kg – 2,5 mg								
Pern	nissible Limit: 60 mg/kg - 10 mg/	/dm <sup>2</sup>							
Remark(s):  1. Permissible limit specified by Commission Regulation (EU) No 2020/1245 of 2 September 2020 with amendments.  2. Analytical tolerance of aqueous simulants is 2 mg/dm² or 12 mg/kg.  3. Test condition & simulant were specified by client,/ according to Commission Regulation (EU) No 2020/1245 of 2 September 2020 with amendments.  4. The volume of simulant used is 0.1 L.  5. The ratio of surface area to volume ratio is 0.6 dm² per 1 kg of foodstuff in contact with.  6. Total food contact surface area of whole article is applied in the calculation of the result according to Commission Regulation (EU) No 2020/1245 of 2 September 2020.  7. Only food contact surface area of cap, gaskets, stopper or similar sealing article is applied in the calculation of the result.									





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	ation with Isooctane (Simular		Contact with Foodstuffs			
per Commiss Test Method:	With reference to Commis Annex III and Annex V fo methods. BS EN 1186-3:2022 Mater	Regulation (EU) No. 2020/1245 and Its Amendments  With reference to Commission Regulation (EU) No 2020/1245 of 2 September 2020  Annex III and Annex V for selection of condition and EN 1186-1/3 for selection of test methods.  BS EN 1186-3:2022 Materials and articles in contact with foodstuffs. Plastics - Test methods for overall migration in evaporable simulants.				
<b>Test Condition</b>	2 hours at 70 °C, Performe	ed at : 0.5 hours at 40 °C (3	<sup>3<sup>rd</sup> Migration)</sup>			
Simulant Used	: Isooctane					
	Res	sult(s) (mg/dm²) 1001				
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> Migration			
Trial 1	: <2.5	<2.5	<2.5			
Trial 2		<2.5	<2.5			
Trial 3	<2.5	<2.5	<2.5			
Average	<2.5	<2.5	<2.5			
Conclusion	. <b>:</b>	Pass				
Note(s):	n.d. = not detected					
	°C = degree Celsius	C.C. 1 , CC: , , , , , , , , , , , , , , , , ,				
	$mg/kg = milligram per kilogram o  mg/dm^2 = milligram per square de$		1/1.			
	* Further verification by vegeta material of the sample is not Nylo ABS, Melamine.	ble oil is recommended for con	mpliance confirmation if the			
	<b>Reporting Limit:</b> 10 mg/kg – 2,5	_				
Pe	rmissible Limit: 60 mg/kg - 10 m	ng/dm <sup>2</sup>				
	1. Permissible limit specified by 0 2020 with amendments.					
	2. Analytical tolerance of aqueous		_			
	(EU) No 2020/1245 of 2 Septe	Test condition & simulant were specified by client,/ according to Commission Regulation EU) No 2020/1245 of 2 September 2020 with amendments.				
		The volume of simulant used is 0.1 L.				
	5. The ratio of surface area to vol					
	6. Total food contact surface area					
	<ul><li>7. Only food contact surface area in the calculation of the result.</li></ul>	n Regulation (EU) No 2020/1245 of cap, gaskets, stopper or simila				



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#### **TEST RESULTS**

#### Sensory Test (Odour and Taste) - Simulant Water

Test method: BV CPS In House Method, CPSD-AN-00084-MTHD, DIN 10955

**Test condition:** Water, 2 hours - 70°C

-					
Tested Item(s)	Parameter	Limit	Conc.	Unit	Conc.
I001	Change of Odour	≤ 2.5	0.0	-	Pass
1001	Change of Taste	≤ 2.5	0.0	-	Pass

Off-odour in comparison with control

0 = no perceptible off-odour

1 = off-odour just perceptible (but still difficult to define)

2 = slight off-odour 3 = distinct off-odour

4 = strong off-odour

Off-taste in comparison with control

0 = no perceptible off-taste

1 = off-taste just perceptible (but still difficult to define)

2 = slight off-taste 3 = distinct off-taste

4 = strong off-taste



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#### **TEST RESULT**

#### **Phthalates Content**

**Test Method** : CPSD-AN-00095-MTHD/45

Quantification analysis by GC-MS or LC-DAD-MS

Maximum Limit:	1000 mg/kg			
Tooted Herry(a)	Result			Complusion
Tested Item(s)	Detected Analyte(s)	Conc.	Unit	Conclusion
I001	/	ND	mg/kg	PASS

Note:

ND = Not detectedmg/kg = milligram(s) per kilogram 10 000 mg/kg = 1 %

Detection Limit ( mg/kg ) - 50 each

">" = Greater than

mg/kg = ppm = part(s) per million

% = percent

Conc. = Concentration

#### Remark:

- The list of Phthalates is summarized in table of Appendix.



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APPENDIX A –LIST OF MEASUREMENT UNCERTAINTIES					
TEST NAME STANDARD NAME MEASUREMENT UNCERTAINTY					
Phthalates Content CPSD-AN-00095-MTHD $\pm$ %14.59					

APPENDIX						
Test Name	Standard	In-house Method	Measurement Uncertainity			
Overall Migration: Total Immersion Method – Simulant B	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 9,7			
Overall Migration: Total Immersion Method – Simulant A	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 10,0			
Overall Migration: Total Immersion Method – Simulant S1	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 9,7			
Overall Migration: Total Immersion Method – Simulant S2	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 8,8			

#### **APPENDIX**

List of Phthalates:							
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.		
1	Dibutyl phthalate (DBP)	84-74-2	5	Diisobutyl phthalate (DiBP)	84-69-5		
2	Di-iso-decyl phthalate (DIDP)	26761-40-0 and 68515-49-1	6	Benzyl butyl phthalate (BBP)	85-68-7		
3	Di-isononyl phthalate (DINP)	28553-12-0 and 68515-48-0	7	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7		
4	Di-n-octyl phthalate (DNOP)	117-84-0					

-END OF REPORT-



**COMPANY NAME** 

MODEL/STYLE NO

# **TEST** REPORT



TL-961

72230720424 (R)

22.03.2023

LAB LOCATION: TURKEY

LAB NO.: (7223)072-0424 (Revision)

**SERVICE TYPE: Regular DATE IN: March 13, 2023** DATE OUT: March 21, 2023

**REVISION DATE: March 22, 2023** 

DEPA EV VE MUTFAK GERECLERI SAN VE TIC LTD STI

(Address: Süleymaiye mh. Ismetiye Cad. No:10 Fatih/Istanbul)

(Attn: Gizem GOKTAS gizem@demoonji.com

SAMPLE DESCRIPTION 6795 – Barok Transparent Acrylic Bowl 1.65 L

> 6009600701 / 1225500701 / 1874400701 / 4804100701 / 1705900701 / 1705900701 / 5437700701 / 3318400701 /

9816700701 / 3141900701 / 6297800701 / 5624200701

**SUPLIER CODE** 

**BUYER** TEDi GmbH & Co. KG

DEPA EV VE MUTFAK GERECLERI SAN VE TIC LTD STI **MANUFACTURER** 

PRODUCTION DATE

**COUNTRY OF ORIGIN TURKIYE** 

**COUNTRY OF DESTINATION GERMANY** 

**OVERALL CONCLUSION PASS** 

C/N GK/MO

BV CPS TEST LABORATUVARLARI LTD. STI. BUREAU VERITAS CONSUMER PRODUCTS SERVICES Yalcin Kores Caddesi No:22 Erdinc Binalari A Blok 2. Kule 1. Kat 34209 Gunesli, Istanbul / Turkey Tel:+90.212.494 35 35 Fax:+90.212.494 35 60

email:info.turkey@bvcps.com.tr website: www.bureauveritas.com/cps This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <a href="https://www.hureauveritas.com/cps">www.hureauveritas.com/cps</a> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all the tests requested by you and the results thereof based upon the information that you have 60 days from the date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

Testing reports without signature are not valid.

By CPS Test Laboratories Ltd.§ti. is not responsible for deviations for the accuracy of the information provided by the customer that may affect the validity of the test results.

The sample(s) were sent to By CPS Test Laboratories Ltd.§ti by the client/vendor via courier, cargo and/or manual delivery. Therefore, sampling was not one By CPS. Test results given in this test report represent only the sample(s) delivered to laboratory. When a statement of conformity (Pass/Fail) is given regarding the test results the value of measurement uncertainty is evaluated according to the Shared Risk Decision Rule and conformity assessment is reported without evaluating measurement uncertainty.



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22.03.2023

SUMMARY OF TEST RESULTS				
TEST REQUIRED	Conclusion			
Overall Migration with 3% Acetic Acid ( <b>Simulant B</b> ) for Plastic Materials in Contact	P			
with Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments*				
Overall Migration with 10% Ethanol ( <b>Simulant A</b> ) for Plastic Materials in Contact with	P			
Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments*				
Overall Migration with 20% Ethanol ( <b>Simulant C</b> ) for Plastic Materials in Contact with	P			
Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments*				
Overall Migration with 95% Ethanol ( <b>Simulant S1</b> ) for Plastic Materials in Contact with	P			
Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments*				
Overall Migration with Isooctane ( <b>Simulant S2</b> ) for Plastic Materials in Contact with Foodstuffs	P			
per Commission Regulation (EU) No. 2020/1245 and Its Amendments*				
Overall Migration with MPPO (TENAX) (Simulant E) for Plastic Materials in Contact with	P			
Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments*				
Sensory Test (Odour and Taste) - Simulant Water	P			
Phthalates*	P			
* IAS Accredited Tests				

REM	REMARKS				
1	:	P: Pass, F: Fail, DATA: No Evaluation			
2	:	The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%. Unless otherwise is specified, the uncertainty of measurement has not been taken into account when assessing pass/fail of the sample against the requirements of the standard. In case consideration of measurement uncertainties when assessing pass/ fail limits, some results may be in borderline.			
3	:	The test result, the uncertainties (if applicable) with confidence probability are given on the following pages which are part of this report.			
4	:	Test reports without authorized signatures are invalid.			
5	:	The test results included in the report belongs to only tested sample(s).			
6	:	(7223)072-0424 test report dated March 21, 2023 is not valid, it is replaced by this report (7223)072-0424 (Revision).			
7	:	"Model/Style No" has been corrected.			

Bureau Veritas Consumer Products Services Turkey BV CPS Test Lab. Ltd. Sti.

**Muhammet Ozbay Client Team Lead**  Hasan Altingul Deputy Operations Manager



72230720424 (R)

22.03.2023

# **Pictures of the Submitted Samples** Sample A **EW**s Report Number (7223)072-0424



TL-961 72230720424 (R)

22.03.2023

Component List / List of Materials for Chemical Tests					
Sample Item No Component Material Colour					
A	I001	Transparent Bowl	Acrylic	Transparent	



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Overall Migration with 3% Acetic Acid (Simulant B) for Plastic Materials in Contact with							
	Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments  Test Method: With reference to Commission Regulation (EU) No 2020/1245 of 2 September 2020						
Test M	ethod:						
		Annex III and Annex v for s methods.	election of condition and EN 1	186-1/3 for selection of test			
			ls and articles in contact with f	Condetuffs Plastics - Test			
		methods for overall migration		oodstuffs. I fastics - Test			
Test Cond	litions:	, and the second	ligration )				
Simulant	Used:	3% Acetic Acid (W/V) Aque	eous Solution				
		Resul	t(s) (mg/dm <sup>2</sup> ) 1001				
		1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> Migration			
Trial 1	:	<2.5	<2.5	<2.5			
Trial 2	:	<2.5	<2.5	<2.5			
Trial 3	:	<2.5	<2.5	<2.5			
Average	:	<2.5	<2.5	<2.5			
Conclusion	:		Pass				
Note(s):	n.d. = 1	not detected					
	$^{\circ}C = d$	egree Celsius					
	mg/kg	= milligram per kilogram of f	Coodstuff in contact with				
	mg/dm	<sup>2</sup> = milligram per square decir	meter of foodstuff in contact w	ith			
R	Reporti	<b>ng Limit :</b> 10 mg/kg – 2,5 mg	g/dm <sup>2</sup>				
		ole Limit: 60 mg/kg - 10 mg/					
Remark(s):	1. Peri	missible limit specified by Co	mmission Regulation (EU) No	2020/1245 of 2 September			
, ,		0 with amendments.		<u>.                                    </u>			
		-	imulants is 2 mg/dm <sup>2</sup> or 12 mg	_			
		Test condition & simulant were specified by client,/ according to Commission Regulation (EU) No 2020/1245 of 2 September 2020 with amendments.					
	<b>4.</b> The	The volume of simulant used is 0.1 L.					
			ne ratio is 0.6 dm <sup>2</sup> per 1 kg of f				
			f whole article is applied in the				
			tion (EU) No 2020/1245 of 2 S				
		y food contact surface area of calculation of the result.	cap, gaskets, stopper or similar	r sealing article is applied in			
	tne	carculation of the result.					



72230720424 (R)

22.03.2023

Overall Migration with 10% Ethanol (Simulant A) for Plastic Materials in Contact with Foodstuffs per Commission Regulation (EU) No. 2020/21245 and Its Amendments							
•	ethod: With reference to Commissi Annex III and Annex V for methods. BS EN 1186-3:2022 Materia	With reference to Commission Regulation (EU) No 2020/1245 of 2 September 2020 Annex III and Annex V for selection of condition and EN 1186-1/3 for selection of test					
Test Cond	itions: 2 hours at 70 °C (3 <sup>rd</sup> M	Migration )					
Simulant	Used: 10% Ethanol (V/V) Aqueou	s Solution					
	Resu	ult(s) (mg/dm²) I001					
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> Migration				
Trial 1		<2.5	<2.5				
Trial 2		<2.5	<2.5				
Trial 3		<2.5	<2.5				
Average	<2.5	<2.5	<2.5				
Conclusion	:	Pass					
Note(s):	n.d. = not detected						
	°C = degree Celsius						
	mg/kg = milligram per kilogram of	foodstuff in contact with					
	mg/dm <sup>2</sup> = milligram per square dec	imeter of foodstuff in contact w	rith				
R	eporting Limit: 10 mg/kg – 2,5 m	ng/dm <sup>2</sup>					
	rmissible Limit: 60 mg/kg - 10 mg						
Remark(s):	1. Permissible limit specified by Co 2020 with amendments.	ommission Regulation (EU) No	2020/1245 of 2 September				
	2. Analytical tolerance of aqueous						
•	Test condition & simulant were: (EU) No 2020/1245 of 2 Septem		o Commission Regulation				
	4. The volume of simulant used is 0	I. The volume of simulant used is 0.1 L.					
	5. The ratio of surface area to volume						
	Total food contact surface area of according to Commission Regulation						
	7. Only food contact surface area o the calculation of the result.						



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0 11 3 41	4: 41 20	0/ 17/1 1/6! 1	(C) C DI ( DE ( )					
		•	ant C) for Plastic Material					
	ethod: With re Annex method BS EN	mmission Regulation (EU) No. 2020/1245 and Its Amendments  : With reference to Commission Regulation (EU) No 2020/1245 of 2 September 2020 Annex III and Annex V for selection of condition and EN 1186-1/3 for selection of test methods.  BS EN 1186-3:2022 Materials and articles in contact with foodstuffs. Plastics - Test methods for overall migration in evaporable simulants.						
Test Cond	itions: 2 hours		ligration)					
Simulant	<b>Used:</b> 20% E	hanol (V/V) Aqueous	Solution					
		Resul	lt(s) (mg/dm <sup>2</sup> )					
			I001					
	1 <sup>st</sup>	migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration				
Trial 1		<2.5	<2.5	<2.5				
Trial 2	:	<2.5	<2.5	<2.5				
Trial 3	:	<2.5	<2.5	<2.5				
Average	:	<2.5	<2.5	<2.5				
Conclusion	:		Pass					
Note(s):	n.d. = not dete	eted						
	°C = degree C	elsius						
	mg/kg = millig	ram per kilogram of f	Foodstuff in contact with					
	mg/dm <sup>2</sup> = milligram per square decimeter of foodstuff in contact with							
R	Seporting Lim	it: 10 mg/kg – 2,5 mg	g/dm <sup>2</sup>					
		it: 60 mg/kg - 10 mg/						
, ,	2020 with a	mendments.	mmission Regulation (EU) No	•				
			imulants is 2 mg/dm <sup>2</sup> or 12 mg					
	Test condition & simulant were specified by client,/ according to Commission Regulation (EU) No 2020/1245 of 2 September 2020 with amendments.							
	4. The volume	1. The volume of simulant used is 0.1 L.						
			ne ratio is 0.6 dm <sup>2</sup> per 1 kg of f					
	according to	Commission Regula	f whole article is applied in the tion (EU) No 2020/1245 of 2 \$	September 2020.				
		ontact surface area of on of the result.	cap, gaskets, stopper or simila	r sealing article is applied in				



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	ion with 95% Ethanol (Simul								
	<b>Commission Regulation (EU</b>								
Test Met		n of condition and EN 1186-1/3 als and articles in contact with f							
Test Conditi	<b>Test Conditions:</b> 2 hours at 70 °C, Performed at : 2 hours at 60 °C (3 <sup>rd</sup> Migration)								
Simulant U	sed: 95% Ethanol (V/V) Aqueou	s Solution							
	Res	sult(s) (mg/dm²) I001							
	1st migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> Migration						
Trial 1 :	4.00	<2.5	<2.5						
Trial 2 :	3.67	<2.5	<2.5						
Trial 3 :	4.33	<2.5	<2.5						
Average:	4.00	<2.5	<2.5						
Conclusion:		Pass							
mş * ] of		meter of foodstuff in contact w oil is recommended for compli	ith ance confirmation if the material Rigid Plastics, PS, SAN, ABS,						
Rep	oorting Limit: 10 mg/kg – 2,5 m	g/dm <sup>2</sup>							
	nissible Limit: 60 mg/kg - 10 mg								
Remark(s):  1. Permissible limit specified by Commission Regulation (EU) No 2020/1245 of 2 September 2020 with amendments.  2. Analytical tolerance of aqueous simulants is 2 mg/dm² or 12 mg/kg.  3. Test condition & simulant were specified by client,/ according to Commission Regulation (EU) No 2020/1245 of 2 September 2020 with amendments.  4. The volume of simulant used is 0.1 L.  5. The ratio of surface area to volume ratio is 0.6 dm² per 1 kg of foodstuff in contact with.  6. Total food contact surface area of whole article is applied in the calculation of the result according to Commission Regulation (EU) No 2020/1245 of 2 September 2020.  7. Only food contact surface area of cap, gaskets, stopper or similar sealing article is applied in the calculation of the result.									



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22.03.2023

	ation with Isooctane (Simular		Contact with Foodstuffs				
per Commiss Test Method:	With reference to Commis Annex III and Annex V fo methods. BS EN 1186-3:2022 Mater	Regulation (EU) No. 2020/1245 and Its Amendments  With reference to Commission Regulation (EU) No 2020/1245 of 2 September 2020  Annex III and Annex V for selection of condition and EN 1186-1/3 for selection of test methods.  BS EN 1186-3:2022 Materials and articles in contact with foodstuffs. Plastics - Test methods for overall migration in evaporable simulants.					
<b>Test Condition</b>	s: 2 hours at 70 °C, Performe	ed at : 0.5 hours at 40 °C (3	<sup>rd</sup> Migration)				
Simulant Used	: Isooctane						
	Res	sult(s) (mg/dm²) I001					
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> Migration				
Trial 1		<2.5	<2.5				
Trial 2		<2.5	<2.5				
Trial 3	: <2.5	<2.5	<2.5				
Average	<2.5	<2.5	<2.5				
Conclusion	:	Pass					
	n.d. = not detected						
	°C = degree Celsius						
	mg/kg = milligram per kilogram o						
	mg/dm <sup>2</sup> = milligram per square de * Further verification by vegeta material of the sample is not Nylo ABS, Melamine.	ble oil is recommended for con	mpliance confirmation if the				
R	<b>Reporting Limit:</b> 10 mg/kg – 2,5	mg/dm <sup>2</sup>					
Pe	rmissible Limit: 60 mg/kg - 10 n	ng/dm <sup>2</sup>					
	Permissible limit specified by 0 2020 with amendments.						
	2. Analytical tolerance of aqueous		_				
	(EU) No 2020/1245 of 2 Septer	Test condition & simulant were specified by client,/ according to Commission Regulation (EU) No 2020/1245 of 2 September 2020 with amendments.					
	4. The volume of simulant used is						
	5. The ratio of surface area to vol						
	6. Total food contact surface area						
	<ul><li>7. Only food contact surface area in the calculation of the result.</li></ul>	n Regulation (EU) No 2020/1245 of cap, gaskets, stopper or simila					



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Overall Migrat	tion with MPPO (TENAX)	(Simulant E) for Plastic Mate	erials in Contact with
Foodstuffs per	<b>Commission Regulation (</b>	EU) No. 2020/1245 and Its An	nendments
Test Meth		sion Regulation (EU) No 2020/124	
		on of condition and EN 1186-1 for	
		or overall migration at high tempera	tures;
Test Conditio	<b>ns:</b> 2 hours at 70 °C (3 <sup>rd</sup>	Migration)	
Simulant Us	ed: MPPO (TENAX) (Simular	nt E)	
Simulant Amou	nt: 4 g used per surface area (d	$lm^2$ )	
	R	Result(s) (mg/dm²) I001	
	1st migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> Migration
Trial 1 :	5.38	<2.5	<2.5
Trial 2 :	4.62	<2.5	<2.5
Trial 3 :	5.38	<2.5	<2.5
Average :	5.13	<2.5	<2.5
Conclusion:		Pass	
Note(s):	.d. = not detected		
٥(	C = degree Celsius		
n	ng/dm <sup>2</sup> = milligram per square o	decimeter of foodstuff in contact wi	th
m	ng/kg = milligram per kilogram	of foodstuff in contact with	
Re	porting Limit: 10 mg/kg – 2,	5 mg/dm <sup>2</sup>	
	missible Limit: 60 mg/kg - 10		
	2020 with amendments.	y Commission Regulation (EU) No ere specified by client,/ according to	
		tember 2020 with amendments.	



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#### **TEST RESULTS**

#### Sensory Test (Odour and Taste) - Simulant Water

Test method: BV CPS In House Method, CPSD-AN-00084-MTHD, DIN 10955

**Test condition:** Water, 2 hours - 70°C

-		Results				
Tested Item(s)	Parameter	Limit	Conc.	Unit	Conc.	
I001	Change of Odour	≤ 2.5	0.0	-	Pass	
1001	Change of Taste	≤ 2.5	0.0	-	Pass	

Off-odour in comparison with control

0 = no perceptible off-odour

1 = off-odour just perceptible (but still difficult to define)

2 = slight off-odour 3 = distinct off-odour

4 = strong off-odour

Off-taste in comparison with control

0 = no perceptible off-taste

1 = off-taste just perceptible (but still difficult to define)

2 = slight off-taste 3 = distinct off-taste 4 = strong off-taste



TL-961 72230720424 (R)

22.03.2023

#### **TEST RESULT**

#### **Phthalates Content**

**Test Method** : CPSD-AN-00095-MTHD/45

Quantification analysis by GC-MS or LC-DAD-MS

<b>Maximum Limit:</b>	1000 mg/kg				
Tooted Herry(s)	Result			Complusion	
Tested Item(s)	Detected Analyte(s)	Conc.	Unit	Conclusion	
I001	/	ND	mg/kg	PASS	

Note:

$$\begin{split} ND &= Not \ detected \\ mg/kg &= milligram(s) \ per \ kilogram \\ 10 \ 000 \ mg/kg &= 1 \ \% \end{split}$$

Detection Limit ( mg/kg ) - 50 each

">" = Greater than
mg/kg = ppm = part(s) per million
% = percent

Conc. = Concentration

#### Remark:

- The list of Phthalates is summarized in table of Appendix.



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APPENDIX A –LIST OF MEASUREMENT UNCERTAINTIES					
TEST NAME	STANDARD NAME	MEASUREMENT UNCERTAINTY			
Phthalates Content	CPSD-AN-00095-MTHD	± %14.59			

APPENDIX						
Test Name	Standard	In-house Method	Measurement Uncertainity			
Overall Migration: Total Immersion Method – Simulant B	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 9,7			
Overall Migration: Total Immersion Method – Simulant A	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 10,0			
Overall Migration: Total Immersion Method – Simulant C	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 9,5			
Overall Migration: Total Immersion Method – Simulant S1	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 9,7			
Overall Migration: Total Immersion Method – Simulant S2	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 8,8			
Overall Migration with Simulant E (MPPO) for Plastic and Paper	BS EN 1186-13	CPSD-AN-00801-MTHD	± % 11,8			

#### **APPENDIX**

List of Phthalates:						
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.	
1	Dibutyl phthalate (DBP)	84-74-2	5	Diisobutyl phthalate (DiBP)	84-69-5	
2	Di-iso-decyl phthalate (DIDP)	26761-40-0 and 68515-49-1	6	Benzyl butyl phthalate (BBP)	85-68-7	
3	Di-isononyl phthalate (DINP)	28553-12-0 and 68515-48-0	7	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	
4	Di-n-octyl phthalate (DNOP)	117-84-0				

-END OF REPORT-



**COMPANY NAME** 

MODEL/STYLE NO

# **TEST REPORT**



TL-961

72230720425

21.03.2023

LAB LOCATION: TURKEY LAB NO.: (7223)072-0425 **SERVICE TYPE: Regular DATE IN: March 13, 2023** DATE OUT: March 21, 2023

DEPA EV VE MUTFAK GERECLERI SAN VE TIC LTD STI

(Address: Süleymaiye mh. Ismetiye Cad. No:10 Fatih/Istanbul)

(Attn: Gizem GOKTAS gizem@demoonji.com

SAMPLE DESCRIPTION 6794 – Barok Smoked Gray Acrylic Bowl (S) (550ml)

> 5229900701 / 4494000701 / 35910007001 / 6984900701 / 7190900701 / 2739600701 / 8068200701 / 4988900701 /

7698700701

SUPLIER CODE

BUYER TEDi GmbH & Co. KG

**MANUFACTURER** DEPA EV VE MUTFAK GERECLERI SAN VE TIC LTD STI

PRODUCTION DATE

**COUNTRY OF ORIGIN TURKIYE** 

**COUNTRY OF DESTINATION GERMANY** 

OVERALL CONCLUSION PASS

C/N GK/MO

BV CPS TEST LABORATUVARLARI LTD. STI. BUREAU VERITAS CONSUMER PRODUCTS SERVICES Yalcin Kores Caddesi No:22 Erdinc Binalari A Blok 2. Kule 1. Kat 34209 Gunesli, Istanbul / Turkey Tel:+90.212.494 35 35 Fax:+90.212.494 35 60

email:info.turkey@bvcps.com.tr website: www.bureauveritas.com/cps This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <a href="https://www.hureauveritas.com/cps">www.hureauveritas.com/cps</a> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all the tests requested by you and the results thereof based upon the information that you have 60 days from the date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

Testing reports without signature are not valid.

By CPS Test Laboratories Ltd.§ti. is not responsible for deviations for the accuracy of the information provided by the customer that may affect the validity of the test results.

The sample(s) were sent to By CPS Test Laboratories Ltd.§ti by the client/vendor via courier, cargo and/or manual delivery. Therefore, sampling was not one By CPS. Test results given in this test report represent only the sample(s) delivered to laboratory. When a statement of conformity (Pass/Fail) is given regarding the test results the value of measurement uncertainty is evaluated according to the Shared Risk Decision Rule and conformity assessment is reported without evaluating measurement uncertainty.



72230720425

21.03.2023

SUMMARY OF TEST RESULTS				
TEST REQUIRED	Conclusion			
Overall Migration with 3% Acetic Acid ( <b>Simulant B</b> ) for Plastic Materials in Contact	P			
with Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments*				
Overall Migration with 10% Ethanol ( <b>Simulant A</b> ) for Plastic Materials in Contact with	P			
Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments*				
Overall Migration with 20% Ethanol ( <b>Simulant C</b> ) for Plastic Materials in Contact with	P			
Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments*				
Overall Migration with 95% Ethanol ( <b>Simulant S1</b> ) for Plastic Materials in Contact with	P			
Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments*				
Overall Migration with Isooctane ( <b>Simulant S2</b> ) for Plastic Materials in Contact with Foodstuffs	P			
per Commission Regulation (EU) No. 2020/1245 and Its Amendments*				
Sensory Test (Odour and Taste) - Simulant Water	P			
Phthalates*	P			
* IAS Accredited Tests				

REM	REMARKS				
1	:	P: Pass, F: Fail, DATA: No Evaluation			
2	:	The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor of $k=2$ , providing a level of confidence of approximately 95%. Unless otherwise is specified, the uncertainty of measurement has not been taken into account when assessing pass/fail of the sample against the requirements of the standard. In case consideration of measurement uncertainties when assessing pass/ fail limits, some results may be in borderline.			
3	:	The test result, the uncertainties (if applicable) with confidence probability are given on the following pages which are part of this report.			
4	:	Test reports without authorized signatures are invalid.			
5	:	The test results included in the report belongs to only tested sample(s).			

Bureau Veritas Consumer Products Services Turkey BV CPS Test Lab. Ltd. Sti.

**Muhammet Ozbay Client Team Lead**  Hasan Altingul Deputy Operations Manager



72230720425

21.03.2023

#### **Pictures of the Submitted Samples**

#### Sample A





72230720425

21.03.2023

Component List / List of Materials for Chemical Tests						
Sample Item No Component Material Colour						
A	I001	Barok Fume Bowl	Acrylic	Fume		





21.03.2023

Overall Migra	tion with 3% Acetic Acid (Sir	nulant B) for Plastic Mater	ials in Contact with			
	Commission Regulation (EU					
Test Me		With reference to Commission Regulation (EU) No 2020/1245 of 2 September 2020				
		Annex III and Annex V for selection of condition and EN 1186-1/3 for selection of test				
		methods.				
		BS EN 1186-3:2022 Materials and articles in contact with foodstuffs. Plastics - Test methods for overall migration in evaporable simulants.				
Test Conditions: 2 hours at 70 °C (3 <sup>rd</sup> Migration )						
Simulant Used: 3% Acetic Acid (W/V) Aqueous Solution						
Result(s) (mg/dm <sup>2</sup> )						
	dot a se	I001	2 2 2 4			
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> Migration			
Trial 1		<2.5	<2.5			
Trial 2		<2.5	<2.5			
Trial 3		<2.5	<2.5			
Average		<2.5	<2.5			
Conclusion		Pass				
Note(s):	n.d. = not detected					
c	°C = degree Celsius					
r	mg/kg = milligram per kilogram of foodstuff in contact with					
	mg/dm <sup>2</sup> = milligram per square dec		ith			
	eporting Limit: $10 \text{ mg/kg} - 2.5 \text{ m}$	•				
Per	missible Limit: 60 mg/kg - 10 mg	g/dm²				
Remark(s): 1	1. Permissible limit specified by Commission Regulation (EU) No 2020/1245 of 2 September 2020 with amendments.					
2	Analytical tolerance of aqueous simulants is 2 mg/dm <sup>2</sup> or 12 mg/kg.					
3	3. Test condition & simulant were specified by client,/ according to Commission Regulation (EU) No 2020/1245 of 2 September 2020 with amendments.					
4	• The volume of simulant used is 0.1 L.					
_	The ratio of surface area to volume ratio is 0.6 dm <sup>2</sup> per 1 kg of foodstuff in contact with.					
<u> </u>	6. Total food contact surface area of whole article is applied in the calculation of the result					
	according to Commission Regulation (EU) No 2020/1245 of 2 September 2020.					
7	7. Only food contact surface area of cap, gaskets, stopper or similar sealing article is applied in					
	the calculation of the result.					





21.03.2023

0 1134						
Overall Migration with 10% Ethanol (Simulant A) for Plastic Materials in Contact with						
	Test Method: With reference to Commission Regulation (EU) No. 2020/21245 and Its Amendments  With reference to Commission Regulation (EU) No 2020/1245 of 2 September 2020  Annex III and Annex V for selection of condition and EN 1186-1/3 for selection of test methods.  BS EN 1186-3:2022 Materials and articles in contact with foodstuffs. Plastics - Test methods for overall migration in evaporable simulants.					
Test Cond	<b>Test Conditions:</b> 2 hours at 70 °C (3 <sup>rd</sup> Migration )					
Simulant Used: 10% Ethanol (V/V) Aqueous Solution						
Result(s) (mg/dm²) I001						
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> Migration			
Trial 1		<2.5	<2.5			
Trial 2	: <2.5	<2.5	<2.5			
Trial 3		<2.5	<2.5			
Average	: <2.5	<2.5	<2.5			
Conclusion	:	Pass				
Note(s):	n.d. = not detected					
	°C = degree Celsius					
	mg/kg = milligram per kilogram of foodstuff in contact with					
	mg/dm² = milligram per square deci	meter of foodstuff in contact wit	th			
<b>Reporting Limit :</b> 10 mg/kg – 2,5 mg/dm <sup>2</sup>						
	rmissible Limit: 60 mg/kg - 10 mg	=				
Remark(s):	Remark(s): 1. Permissible limit specified by Commission Regulation (EU) No 2020/1245 of 2 September 2020 with amendments.					
	2. Analytical tolerance of aqueous simulants is 2 mg/dm <sup>2</sup> or 12 mg/kg.					
	Test condition & simulant were specified by client,/ according to Commission Regulation (EU) No 2020/1245 of 2 September 2020 with amendments.					
	The volume of simulant used is 0.1 L.					
	5. The ratio of surface area to volur	<u> </u>				
	Total food contact surface area of whole article is applied in the calculation of the result according to Commission Regulation (EU) No 2020/1245 of 2 September 2020.					
	7. Only food contact surface area of the calculation of the result.	f cap, gaskets, stopper or similar	sealing article is applied in			





21.03.2023

Overall Migra	tion with 20% Ethanol (Simu	lant C) for Plastic Material	s in Contact with			
	Commission Regulation (EU					
Test Me		With reference to Commission Regulation (EU) No 2020/1245 of 2 September 2020				
		Annex III and Annex V for selection of condition and EN 1186-1/3 for selection of test				
		methods.				
		BS EN 1186-3:2022 Materials and articles in contact with foodstuffs. Plastics - Test				
methods for overall migration in evaporable simulants. <b>Test Conditions:</b> 2 hours at 70 °C (3 <sup>rd</sup> Migration)						
Simulant Used: 20% Ethanol (V/V) Aqueous Solution						
V 2 4						
Result(s) (mg/dm <sup>2</sup> ) I001						
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration			
Trial 1	<2.5	<2.5	<2.5			
Trial 2	<2.5	<2.5	<2.5			
Trial 3	<2.5	<2.5	<2.5			
Average	<2.5	<2.5	<2.5			
Conclusion	•	Pass				
Note(s):	n.d. = not detected					
	°C = degree Celsius					
-	ng/kg = milligram per kilogram of foodstuff in contact with					
	mg/dm <sup>2</sup> = milligram per knogram of roodstuff in contact with					
			1111			
	eporting Limit: 10 mg/kg – 2,5 m					
Permissible Limit: 60 mg/kg - 10 mg/dm <sup>2</sup>						
Remark(s): 1	Remark(s): 1. Permissible limit specified by Commission Regulation (EU) No 2020/1245 of 2 September					
5	2020 with amendments.					
	2. Analytical tolerance of aqueous simulants is 2 mg/dm² or 12 mg/kg.					
	3. Test condition & simulant were specified by client,/ according to Commission Regulation (EU) No 2020/1245 of 2 September 2020 with amendments.					
4	• The volume of simulant used is 0.1 L.					
5	5. The ratio of surface area to volume ratio is 0.6 dm <sup>2</sup> per 1 kg of foodstuff in contact with.					
<u> </u>	6. Total food contact surface area of whole article is applied in the calculation of the result					
	according to Commission Regulation (EU) No 2020/1245 of 2 September 2020.					
7	7. Only food contact surface area of cap, gaskets, stopper or similar sealing article is applied in					
	the calculation of the result.					





21.03.2023

0	ion with 95% Ethanol (Simul	*						
	Commission Regulation (EU							
<b>Test Method:</b> With reference to Commission Regulation (EU) No 2020/1245 of 2 September 2020 Annex III and Annex V for selection of condition and EN 1186-1/3 for selection of test methods.								
BS EN 1186-3:2022 Materials and articles in contact with foodstuffs. Plastics - Test methods								
	for overall migration in evaporable simulants.							
Test Condit	ions: 2 hours at 70 °C, Performed	at: 2 hours at 60 °C	(3 <sup>rd</sup> Migration)					
Simulant U	Used: 95% Ethanol (V/V) Aqueous	Solution						
	Res	ult(s) (mg/dm²) I001						
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> Migration					
Trial 1 :	<2.5	<2.5	<2.5					
Trial 2 :	<2.5	<2.5	<2.5					
Trial 3 :	<2.5	<2.5	<2.5					
Average :	<2.5	<2.5	<2.5					
<b>Conclusion:</b>		Pass						
Note(s): n.	d. = not detected							
	C = degree Celsius							
	g/kg = milligram per kilogram of t	Foodstuff in contact with						
	$g/dm^2$ = milligram per square deci		rith .					
			iance confirmation if the material					
of	the sample is not Nylon, PVC	Organic Coating, Hard and	Rigid Plastics, PS, SAN, ABS,					
	lelamine.	, , ,						
Rej	porting Limit: 10 mg/kg – 2,5 m	g/dm <sup>2</sup>						
Pern	nissible Limit: 60 mg/kg - 10 mg	/dm <sup>2</sup>						
Remark(s): 1.	Permissible limit specified by Co	mmission Regulation (EU) No	2020/1245 of 2 September					
	2020 with amendments.		1					
	Analytical tolerance of aqueous s							
3.	Test condition & simulant were s		o Commission Regulation					
4.	(EU) No 2020/1245 of 2 September 2020 with amendments.  4. The volume of simulant used is 0.1 L.							
	5. The ratio of surface area to volume ratio is 0.6 dm <sup>2</sup> per 1 kg of foodstuff in contact with.							
	6. Total food contact surface area of whole article is applied in the calculation of the result							
	according to Commission Regula							
7.	Only food contact surface area of the calculation of the result.	cap, gaskets, stopper or similar	r sealing article is applied in					





21.03.2023

			S2) for Plastic Materials in	n Contact with Foodstuffs		
Test Method:		Regulation (EU) No. 2020/1245 and Its Amendments  With reference to Commission Regulation (EU) No 2020/1245 of 2 September 2020  Annex III and Annex V for selection of condition and EN 1186-1/3 for selection of test methods.  BS EN 1186-3:2022 Materials and articles in contact with foodstuffs. Plastics - Test methods for overall migration in evaporable simulants.				
<b>Test Condition</b>	ıs:	2 hours at 70 °C, Performed	at : 0.5 hours at 40 °C (3	3 <sup>rd</sup> Migration)		
Simulant Used	:	Isooctane				
		Resul	t(s) (mg/dm <sup>2</sup> ) I001			
		1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> Migration		
Trial 1	. :	<2.5	<2.5	<2.5		
Trial 2	:	<2.5	<2.5	<2.5		
Trial 3	:	<2.5	<2.5	<2.5		
Average	:	<2.5	<2.5	<2.5		
Conclusion	:		Pass			
	°C = o mg/kg mg/di * Fur mater	d. = not detected  C = degree Celsius  g/kg = milligram per kilogram of foodstuff in contact with  g/dm <sup>2</sup> = milligram per square decimeter of foodstuff in contact with  Further verification by vegetable oil is recommended for compliance confirmation if aterial of the sample is not Nylon, PVC, Organic Coating, Hard and Rigid Plastics, PS, SABS, Melamine.				
		ting Limit: 10 mg/kg - 2,5 mg/kg - 10 mg/kg	=			
<ol> <li>Remark(s): 1. Permissible limit specified by Commission Regulation (EU) No 2020/1245 of 2 September 2020 with amendments.</li> <li>Analytical tolerance of aqueous simulants is 2 mg/dm² or 12 mg/kg.</li> <li>Test condition &amp; simulant were specified by client,/ according to Commission Regulation (EU) No 2020/1245 of 2 September 2020 with amendments.</li> <li>The volume of simulant used is 0.1 L.</li> <li>The ratio of surface area to volume ratio is 0.6 dm² per 1 kg of foodstuff in contact with.</li> <li>Total food contact surface area of whole article is applied in the calculation of the result according to Commission Regulation (EU) No 2020/1245 of 2 September 2020.</li> <li>Only food contact surface area of cap, gaskets, stopper or similar sealing article is applied</li> </ol>						
		the calculation of the result.	cap, gaskets, stopper or silling	a scaning article is applied		



72230720425

21.03.2023

### **TEST RESULTS**

### Sensory Test (Odour and Taste) - Simulant Water

Test method: BV CPS In House Method, CPSD-AN-00084-MTHD, DIN 10955

**Test condition:** Water, 2 hours - 70°C

-		Results				
Tested Item(s)	Parameter	Limit	Conc.	Unit	Conc.	
I001	Change of Odour	≤ 2.5	0.0	-	Pass	
1001	Change of Taste	≤ 2.5	0.0	-	Pass	

Off-odour in comparison with control

0 = no perceptible off-odour

1 = off-odour just perceptible (but still difficult to define)

2 = slight off-odour 3 = distinct off-odour

4 = strong off-odour

Off-taste in comparison with control

0 = no perceptible off-taste

1 = off-taste just perceptible (but still difficult to define)

2 = slight off-taste 3 = distinct off-taste 4 = strong off-taste



72230720425

21.03.2023

### **TEST RESULT**

### **Phthalates Content**

**Test Method** : CPSD-AN-00095-MTHD/45

Quantification analysis by GC-MS or LC-DAD-MS

Maximum Limit:	1000 mg/kg			
Tooted Homes	Result			Conductor
Tested Item(s)	Detected Analyte(s)	Conc.	Unit	Conclusion
I001	/	ND	mg/kg	PASS

Note:

ND = Not detected mg/kg = milligram(s) per kg

mg/kg = milligram(s) per kilogram 10 000 mg/kg = 1 %

Detection Limit ( mg/kg ) - 50 each

">" = Greater than

mg/kg = ppm = part(s) per million

% = percent

Conc. = Concentration

### Remark:

- The list of Phthalates is summarized in table of Appendix.



TL-961 72230720425 21.03.2023

APPENDIX A –LIST OF MEASUREMENT UNCERTAINTIES					
TEST NAME STANDARD NAME MEASUREMENT UNCERTAINTY					
Phthalates Content CPSD-AN-00095-MTHD $\pm$ %14.59					

APPENDIX						
Test Name	Standard	In-house Method	Measurement Uncertainity			
Overall Migration: Total Immersion Method – Simulant B	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 9,7			
Overall Migration: Total Immersion Method – Simulant A	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 10,0			
Overall Migration: Total Immersion Method – Simulant C	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 9,5			
Overall Migration: Total Immersion Method – Simulant S1	BS EN 1186-3	CPSD-AN-00800-MTHD	$\pm$ % 9,7			
Overall Migration: Total Immersion Method – Simulant S2	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 8,8			

### **APPENDIX**

List of Phthalates:						
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.	
1	Dibutyl phthalate (DBP)	84-74-2	5	Diisobutyl phthalate (DiBP)	84-69-5	
2	Di-iso-decyl phthalate (DIDP)	26761-40-0 and 68515-49-1	6	Benzyl butyl phthalate (BBP)	85-68-7	
3	Di-isononyl phthalate (DINP)	28553-12-0 and 68515-48-0	7	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	
4	Di-n-octyl phthalate (DNOP)	117-84-0				

### -END OF REPORT-



**COMPANY NAME** 

# **TEST REPORT**



TL-961

72230720426

21.03.2023

LAB LOCATION: TURKEY LAB NO.: (7223)072-0426 **SERVICE TYPE: Regular DATE IN: March 13, 2023** DATE OUT: March 21, 2023

DEPA EV VE MUTFAK GERECLERI SAN VE TIC LTD STI

(Address: Süleymaiye mh. Ismetiye Cad. No:10 Fatih/Istanbul)

(Attn: Gizem GOKTAS gizem@demoonji.com

SAMPLE DESCRIPTION 6523 – Soft White Acrylic Bowl (3.35 Lt)

MODEL/STYLE NO 4424900701 / 6453200701

**SUPLIER CODE** 

BUYER TEDi GmbH & Co. KG

**MANUFACTURER** DEPA EV VE MUTFAK GERECLERI SAN VE TIC LTD STI

PRODUCTION DATE

**COUNTRY OF ORIGIN TURKIYE** 

**COUNTRY OF DESTINATION GERMANY** 

**OVERALL CONCLUSION PASS** 

C/N GK/MO

Document No: fc.f.026

Issue Date: 29.06.2020

Rev. No / Date: 04 / 23.08.2022

BV CPS TEST LABORATUVARLARI LTD. STI. BUREAU VERITAS CONSUMER PRODUCTS SERVICES Yalcin Kores Caddesi No:22 Erdinc Binalari A Blok 2. Kule 1. Kat 34209 Gunesli, Istanbul / Turkey Tel:+90.212.494 35 35 Fax:+90.212.494 35 60

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Testing reports without signature are not valid.

By CPS Test Laboratories Ltd.§ti. is not responsible for deviations for the accuracy of the information provided by the customer that may affect the validity of the test results.

The sample(s) were sent to By CPS Test Laboratories Ltd.§ti by the client/vendor via courier, cargo and/or manual delivery. Therefore, sampling was not one By CPS. Test results given in this test report represent only the sample(s) delivered to laboratory. When a statement of conformity (Pass/Fail) is given regarding the test results the value of measurement uncertainty is evaluated according to the Shared Risk Decision Rule and conformity assessment is reported without evaluating measurement uncertainty.





21.03.2023

SUMMARY OF TEST RESULTS	
TEST REQUIRED	Conclusion
Overall Migration with 3% Acetic Acid ( <b>Simulant B</b> ) for Plastic Materials in Contact	P
with Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments*	
Overall Migration with 10% Ethanol ( <b>Simulant A</b> ) for Plastic Materials in Contact with	P
Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments*	
Overall Migration with 20% Ethanol ( <b>Simulant C</b> ) for Plastic Materials in Contact with	P
Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments*	
Overall Migration with 95% Ethanol ( <b>Simulant S1</b> ) for Plastic Materials in Contact with	P
Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments*	
Overall Migration with Isooctane ( <b>Simulant S2</b> ) for Plastic Materials in Contact with Foodstuffs	P
per Commission Regulation (EU) No. 2020/1245 and Its Amendments*	
Overall Migration with MPPO (TENAX) (Simulant E) for Plastic Materials in Contact with	P
Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments*	
Sensory Test (Odour and Taste) - Simulant Water	P
Phthalates*	P
* IAS Accredited Tests	

REM	REMARKS			
1	:	P: Pass, F: Fail, DATA: No Evaluation		
2	:	The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor of $k=2$ , providing a level of confidence of approximately 95%. Unless otherwise is specified, the uncertainty of measurement has not been taken into account when assessing pass/fail of the sample against the requirements of the standard. In case consideration of measurement uncertainties when assessing pass/ fail limits, some results may be in borderline.		
3	:	The test result, the uncertainties (if applicable) with confidence probability are given on the following pages which are part of this report.		
4	:	Test reports without authorized signatures are invalid.		
5	:	The test results included in the report belongs to only tested sample(s).		

Bureau Veritas Consumer Products Services Turkey BV CPS Test Lab. Ltd. Sti.

**Muhammet Ozbay Client Team Lead**  Hasan Altingul Deputy Operations Manager



72230720426

21.03.2023

# Pictures of the Submitted Samples Sample A





72230720426

21.03.2023

Component List / List of Materials for Chemical Tests						
Sample	Item No	Component	Material	Colour		
A	I001	White Bowl	Acrylic	White		





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	ation with 3% Acetic Acid (Si				
	ethod: With reference to Commis Annex III and Annex V fo methods. BS EN 1186-3:2022 Mater	mmission Regulation (EU) No. 2020/1245 and Its Amendments  With reference to Commission Regulation (EU) No 2020/1245 of 2 September 2020 Annex III and Annex V for selection of condition and EN 1186-1/3 for selection of test methods.  BS EN 1186-3:2022 Materials and articles in contact with foodstuffs. Plastics - Test methods for overall migration in evaporable simulants.			
Test Cond		Migration )			
Simulant	Used: 3% Acetic Acid (W/V) Ac	queous Solution			
	Res	sult(s) (mg/dm²) I001			
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> Migration		
Trial 1		<2.5	<2.5		
Trial 2	: <2.5	<2.5	<2.5		
Trial 3	: <2.5	<2.5	<2.5		
Average	: <2.5	<2.5	<2.5		
Conclusion	:	Pass			
	n.d. = not detected  C = degree Celsius  mg/kg = milligram per kilogram o  mg/dm <sup>2</sup> = milligram per square de		ith		
	eporting Limit: 10 mg/kg - 2,5 emissible Limit: 60 mg/kg - 10 mg/kg				
. ,	<ol> <li>Permissible limit specified by Commission Regulation (EU) No 2020/1245 of 2 September 2020 with amendments.</li> <li>Analytical tolerance of aqueous simulants is 2 mg/dm² or 12 mg/kg.</li> <li>Test condition &amp; simulant were specified by client,/ according to Commission Regulation</li> </ol>				
<ul> <li>(EU) No 2020/1245 of 2 September 2020 with amendments.</li> <li>4. The volume of simulant used is 0.1 L.</li> <li>5. The ratio of surface area to volume ratio is 0.6 dm² per 1 kg of foodstuff in contact wit</li> <li>6. Total food contact surface area of whole article is applied in the calculation of the resu according to Commission Regulation (EU) No 2020/1245 of 2 September 2020.</li> </ul>					
	7. Only food contact surface area the calculation of the result.	of cap, gaskets, stopper or similar	r sealing article is applied in		





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Overall Migration with 10% Ethanol (Simulant A) for Plastic Materials in Contact with Foodstuffs per Commission Regulation (EU) No. 2020/21245 and Its Amendments						
Test Me	Annex III and Annex V for smethods.  BS EN 1186-3:2022 Materia	: With reference to Commission Regulation (EU) No 2020/1245 of 2 September 2020 Annex III and Annex V for selection of condition and EN 1186-1/3 for selection of test				
Test Cond		figration )				
Simulant	Used: 10% Ethanol (V/V) Aqueous	s Solution				
	Resu	lt(s) (mg/dm²) 1001				
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> Migration			
Trial 1	: <2.5	<2.5	<2.5			
Trial 2	: <2.5	<2.5	<2.5			
Trial 3		<2.5	<2.5			
Average	<2.5	<2.5	<2.5			
Conclusion	:	Pass				
Note(s):	n.d. = not detected					
	C = degree Celsius					
1	mg/kg = milligram per kilogram of t	foodstuff in contact with				
1	mg/dm <sup>2</sup> = milligram per square deci	meter of foodstuff in contact w	ith			
R	eporting Limit: 10 mg/kg – 2,5 m	g/dm <sup>2</sup>				
	missible Limit: 60 mg/kg - 10 mg					
Remark(s):	1. Permissible limit specified by Co 2020 with amendments.	ommission Regulation (EU) No	2020/1245 of 2 September			
	2. Analytical tolerance of aqueous simulants is 2 mg/dm <sup>2</sup> or 12 mg/kg.					
•	Test condition & simulant were specified by client,/ according to Commission Regulation (EU) No 2020/1245 of 2 September 2020 with amendments.					
	The volume of simulant used is 0.1 L.					
	The ratio of surface area to volume ratio is 0.6 dm <sup>2</sup> per 1 kg of foodstuff in contact with.					
	Total food contact surface area or					
	according to Commission Regula					
,	Only food contact surface area of the calculation of the result.	cap, gaskets, stopper or simila	ir searing article is applied in			





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### **TEST RESULTS**

Organall Micro	otion with 200/ Ethonol (Sin	mulant C) for Dlastic Matarial	r in Comtost with				
	•	nulant C) for Plastic Materials					
Test Method: With reference to Commission Regulation (EU) No. 2020/1245 and Its Amendments  Annex III and Annex V for selection of condition and EN 1186-1/3 for selection methods.  BS EN 1186-3:2022 Materials and articles in contact with foodstuffs. Plastics - 7 methods for overall migration in evaporable simulants.							
Test Cond		rd Migration )					
Simulant	Used: 20% Ethanol (V/V) Aque	eous Solution					
	R	esult(s) (mg/dm²)					
	1 <sup>st</sup> migration	1001 2 <sup>nd</sup> migration	3 <sup>rd</sup> migration				
Trial 1		2 inigration <2.5	3 migration <2.5				
Trial 1	•	<2.5	<2.5				
Trial 3	•	<2.5	<2.5				
Average	•	<2.5	<2.5				
Conclusion		Pass					
Note(s)	n.d. = not detected						
	°C = degree Celsius						
	mg/kg = milligram per kilogram	of foodstuff in contact with					
<u> </u>		decimeter of foodstuff in contact wi	th				
	<b>eporting Limit :</b> 10 mg/kg – 2,5 rmissible Limit : 60 mg/kg - 10						
` , ,	2020 with amendments.	Commission Regulation (EU) No	<u> </u>				
	2. Analytical tolerance of aqueous simulants is 2 mg/dm <sup>2</sup> or 12 mg/kg.						
•	3. Test condition & simulant were specified by client,/ according to Commission Regulation (EU) No 2020/1245 of 2 September 2020 with amendments.						
•	4. The volume of simulant used is 0.1 L.						
		olume ratio is 0.6 dm <sup>2</sup> per 1 kg of fo					
		ea of whole article is applied in the egulation (EU) No 2020/1245 of 2 S					
	7. Only food contact surface are the calculation of the result.	a of cap, gaskets, stopper or similar	sealing article is applied in				

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	ation with 95% Ethanol (Simu		
		ion Regulation (EU) No 2020/1 on of condition and EN 1186-1/ als and articles in contact with f	245 of 2 September 2020 Annex
Test Cond	litions: 2 hours at 70 °C, Performed		(3 <sup>rd</sup> Migration)
	Used: 95% Ethanol (V/V) Aqueou		,
	Re	sult(s) (mg/dm²) I001	
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> Migration
Trial 1	: 4.17	<2.5	<2.5
Trial 2	: 3.67	<2.5	<2.5
Trial 3	: 4.33	<2.5	<2.5
Average	4.06	<2.5	<2.5
Conclusion	:	Pass	
	mg/kg = milligram per kilogram of mg/dm <sup>2</sup> = milligram per square dec * Further verification by vegetable of the sample is not Nylon, PVC Melamine.	imeter of foodstuff in contact w oil is recommended for compl	iance confirmation if the material
K	Reporting Limit: 10 mg/kg – 2,5 m	ng/dm²	
	rmissible Limit: 60 mg/kg - 10 mg	_	
	<ol> <li>Permissible limit specified by C 2020 with amendments.</li> <li>Analytical tolerance of aqueous</li> <li>Test condition &amp; simulant were (EU) No 2020/1245 of 2 Septem</li> <li>The volume of simulant used is 5.</li> <li>The ratio of surface area to volume of the ratio of surface area to condition to Commission Regulation</li> </ol>	simulants is 2 mg/dm <sup>2</sup> or 12 mg specified by client,/ according taber 2020 with amendments.  0.1 L.  me ratio is 0.6 dm <sup>2</sup> per 1 kg of 1 of whole article is applied in the ation (EU) No 2020/1245 of 2.5	coodstuff in contact with. calculation of the result September 2020.
	7. Only food contact surface area of the calculation of the result.	ot cap, gaskets, stopper or simila	ar sealing article is applied in





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_	ation with Isooctane (Simular		Contact with Foodstuffs				
per Commiss Test Method:	With reference to Commis Annex III and Annex V fo methods. BS EN 1186-3:2022 Mater	Regulation (EU) No. 2020/1245 and Its Amendments  With reference to Commission Regulation (EU) No 2020/1245 of 2 September 2020  Annex III and Annex V for selection of condition and EN 1186-1/3 for selection of test methods.  BS EN 1186-3:2022 Materials and articles in contact with foodstuffs. Plastics - Test methods for overall migration in evaporable simulants.					
<b>Test Condition</b>	s: 2 hours at 70 °C, Performe	ed at : 0.5 hours at 40 °C (3	<sup>rd</sup> Migration)				
Simulant Used	: Isooctane						
	Res	sult(s) (mg/dm²) I001					
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> Migration				
Trial 1		<2.5	<2.5				
Trial 2		<2.5	<2.5				
Trial 3	: <2.5	<2.5	<2.5				
Average	<2.5	<2.5	<2.5				
Conclusion	:	Pass					
Note(s):	n.d. = not detected						
	°C = degree Celsius						
	mg/kg = milligram per kilogram o $mg/dm^2 = milligram per square de$						
	* Further verification by vegeta material of the sample is not Nylo ABS, Melamine.	ble oil is recommended for con	mpliance confirmation if the				
	<b>Reporting Limit:</b> 10 mg/kg – 2,5	_					
Pe	rmissible Limit: 60 mg/kg - 10 n	ng/dm <sup>2</sup>					
	1. Permissible limit specified by 0 2020 with amendments.						
	2. Analytical tolerance of aqueous		_				
	(EU) No 2020/1245 of 2 Septer	• Test condition & simulant were specified by client,/ according to Commission Regulation (EU) No 2020/1245 of 2 September 2020 with amendments.					
	4. The volume of simulant used is 0.1 L.						
	5. The ratio of surface area to vol						
	6. Total food contact surface area						
	<ul><li>7. Only food contact surface area in the calculation of the result.</li></ul>	n Regulation (EU) No 2020/1245 of cap, gaskets, stopper or simila					





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Overall Migrat	tion with MPPO (TENAX)	) (Simulant E) for Plastic Mate	erials in Contact with
Foodstuffs per	<b>Commission Regulation (</b>	(EU) No. 2020/1245 and Its Am	nendments
Test Metho		sion Regulation (EU) No 2020/124	
		ion of condition and EN 1186-1 for	
		or overall migration at high tempera	tures;
Test Conditio	<b>ns:</b> 2 hours at 70 °C (3 <sup>rd</sup>	Migration)	
Simulant Use	ed: MPPO (TENAX) (Simular	nt E)	
Simulant Amou	nt: 4 g used per surface area (d	$dm^2$ )	
	F	Result(s) (mg/dm²) I001	
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> Migration
Trial 1 :	3.85	<2.5	<2.5
Trial 2 :	4.62	<2.5	<2.5
Trial 3 :	3.08	<2.5	<2.5
Average :	3.85	<2.5	<2.5
Conclusion:		Pass	
Note(s):	.d. = not detected		
°(	C = degree Celsius		
m	ng/dm <sup>2</sup> = milligram per square	decimeter of foodstuff in contact wi	ith
m	ng/kg = milligram per kilogram	of foodstuff in contact with	
Re	porting Limit: 10 mg/kg – 2,	,5 mg/dm <sup>2</sup>	
	missible Limit: 60 mg/kg - 10		
	2020 with amendments.	y Commission Regulation (EU) No ere specified by client,/ according to	
		tember 2020 with amendments.	



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### **TEST RESULTS**

### Sensory Test (Odour and Taste) - Simulant Water

Test method: BV CPS In House Method, CPSD-AN-00084-MTHD, DIN 10955

**Test condition:** Water, 2 hours - 70°C

-		Results				
Tested Item(s)	Parameter	Limit	Conc.	Unit	Conc.	
I001	Change of Odour	≤ 2.5	0.0	-	Pass	
1001	Change of Taste	≤ 2.5	0.0	-	Pass	

Off-odour in comparison with control

0 = no perceptible off-odour

1 = off-odour just perceptible (but still difficult to define)

2 = slight off-odour 3 = distinct off-odour

4 = strong off-odour

Off-taste in comparison with control

0 = no perceptible off-taste

1 = off-taste just perceptible (but still difficult to define)

2 = slight off-taste

3 = distinct of f-taste

4 = strong off-taste



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### **TEST RESULT**

### **Phthalates Content**

: CPSD-AN-00095-MTHD/45 **Test Method** 

Quantification analysis by GC-MS or LC-DAD-MS

Maximum Limit:	1000 mg/kg			
Tooks d Itams(s)	Result			Conductor
Tested Item(s)	Detected Analyte(s)	Conc.	Unit	Conclusion
I001	/	ND	mg/kg	PASS

Note:

ND = Not detectedmg/kg = milligram(s) per kilogram 10 000 mg/kg = 1 %

Detection Limit ( mg/kg ) - 50 each

">" = Greater than

mg/kg = ppm = part(s) per million

% = percent

Conc. = Concentration

### Remark:

- The list of Phthalates is summarized in table of Appendix.



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APPENDIX A –LIST OF MEASUREMENT UNCERTAINTIES					
TEST NAME	STANDARD NAME	MEASUREMENT UNCERTAINTY			
Phthalates Content	CPSD-AN-00095-MTHD	± %14.59			

APPENDIX						
Test Name	Standard	In-house Method	Measurement Uncertainity			
Overall Migration: Total Immersion Method – Simulant B	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 9,7			
Overall Migration: Total Immersion Method – Simulant A	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 10,0			
Overall Migration: Total Immersion Method – Simulant C	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 9,5			
Overall Migration: Total Immersion Method – Simulant S1	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 9,7			
Overall Migration: Total Immersion Method – Simulant S2	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 8,8			
Overall Migration with Simulant E (MPPO) for Plastic and Paper	BS EN 1186-13	CPSD-AN-00801-MTHD	± % 11,8			

### **APPENDIX**

List of Phthalates:						
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.	
1	Dibutyl phthalate (DBP)	84-74-2	5	Diisobutyl phthalate (DiBP)	84-69-5	
2	Di-iso-decyl phthalate (DIDP)	26761-40-0 and 68515-49-1	6	Benzyl butyl phthalate (BBP)	85-68-7	
3	Di-isononyl phthalate (DINP)	28553-12-0 and 68515-48-0	7	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	
4	Di-n-octyl phthalate (DNOP)	117-84-0				

-END OF REPORT-



**COMPANY NAME** 

# **TEST REPORT**



TL-961

72230720429

21.03.2023

LAB LOCATION: TURKEY LAB NO.: (7223)072-0429 **SERVICE TYPE: Regular DATE IN: March 13, 2023** DATE OUT: March 21, 2023

DEPA EV VE MUTFAK GERECLERI SAN VE TIC LTD STI

(Address: Süleymaiye mh. Ismetiye Cad. No:10 Fatih/Istanbul)

(Attn: Gizem GOKTAS gizem@demoonji.com

SAMPLE DESCRIPTION 051 – Silver Acrylic Round Under Plate

MODEL/STYLE NO 6926100701

**SUPLIER CODE** 

BUYER TEDi GmbH & Co. KG

**MANUFACTURER** DEPA EV VE MUTFAK GERECLERI SAN VE TIC LTD STI

PRODUCTION DATE

**COUNTRY OF ORIGIN TURKIYE** 

**COUNTRY OF DESTINATION GERMANY** 

**OVERALL CONCLUSION PASS** 

C/N GK/MO

Document No: fc.f.026

Issue Date: 29.06.2020

Rev. No / Date: 04 / 23.08.2022

BV CPS TEST LABORATUVARLARI LTD. STI. BUREAU VERITAS CONSUMER PRODUCTS SERVICES Yalcin Kores Caddesi No:22 Erdinc Binalari A Blok 2. Kule 1. Kat 34209 Gunesli, Istanbul / Turkey Tel:+90.212.494 35 35 Fax:+90.212.494 35 60

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Testing reports without signature are not valid.

By CPS Test Laboratories Ltd.§ti. is not responsible for deviations for the accuracy of the information provided by the customer that may affect the validity of the test results.

The sample(s) were sent to By CPS Test Laboratories Ltd.§ti by the client/vendor via courier, cargo and/or manual delivery. Therefore, sampling was not one By CPS. Test results given in this test report represent only the sample(s) delivered to laboratory. When a statement of conformity (Pass/Fail) is given regarding the test results the value of measurement uncertainty is evaluated according to the Shared Risk Decision Rule and conformity assessment is reported without evaluating measurement uncertainty.



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SUMMARY OF TEST RESULTS				
TEST REQUIRED	Conclusion			
Overall Migration with 3% Acetic Acid ( <b>Simulant B</b> ) for Plastic Materials in Contact	P			
with Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments*				
Overall Migration with 10% Ethanol ( <b>Simulant A</b> ) for Plastic Materials in Contact with	P			
Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments*				
Overall Migration with 95% Ethanol ( <b>Simulant S1</b> ) for Plastic Materials in Contact with	P			
Foodstuffs per Commission Regulation (EU) No. 2020/1245 and Its Amendments*				
Overall Migration with Isooctane ( <b>Simulant S2</b> ) for Plastic Materials in Contact with Foodstuffs	P			
per Commission Regulation (EU) No. 2020/1245 and Its Amendments*				
Sensory Test (Odour and Taste) - Simulant Water	P			
Phthalates*	P			
* IAS Accredited Tests				

REM	REMARKS				
1	:	P: Pass, F: Fail, DATA: No Evaluation			
2	:	The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor of $k=2$ , providing a level of confidence of approximately 95%. Unless otherwise is specified, the uncertainty of measurement has not been taken into account when assessing pass/fail of the sample against the requirements of the standard. In case consideration of measurement uncertainties when assessing pass/ fail limits, some results may be in borderline.			
3	:	The test result, the uncertainties (if applicable) with confidence probability are given on the following pages which are part of this report.			
4	:	Test reports without authorized signatures are invalid.			
5	:	The test results included in the report belongs to only tested sample(s).			

Bureau Veritas Consumer Products Services Turkey BV CPS Test Lab. Ltd. Sti.

**Muhammet Ozbay Client Team Lead**  Hasan Altingul Deputy Operations Manager





21.03.2023

# Pictures of the Submitted Samples Sample A Report Number (7223)072-0429



72230720429

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Component List / List of Materials for Chemical Tests						
Sample	Item No	Component	Material	Colour		
A	I001	Silver Round Plate	Acrylic	Silver		





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Overall Migra	ation with 3% Acetic Acid (Sin	nulant B) for Plastic Mater	ials in Contact with		
	Commission Regulation (EU				
Test Mo	ethod: With reference to Commission				
		selection of condition and EN 1	186-1/3 for selection of test		
	methods.	als and autials in contact with f	andstuffs Plastics Test		
		BS EN 1186-3:2022 Materials and articles in contact with foodstuffs. Plastics - Test methods for overall migration in evaporable simulants.			
Test Condi		Migration )			
	Used: 3% Acetic Acid (W/V) Aqu				
	Resu	ult(s) (mg/dm²)			
	1st	I001	2rd Mionotion		
70 * 14	1 <sup>st</sup> migration • <2.5	2 <sup>nd</sup> migration <2.5	3 <sup>rd</sup> Migration <2.5		
Trial 1		<2.5	<2.5		
Trial 2		<2.5	<2.5		
Trial 3	•				
Average		<2.5	<2.5		
Conclusion	:	Pass			
Note(s):	n.d. = not detected				
c	C = degree Celsius				
r	ng/kg = milligram per kilogram of	foodstuff in contact with			
r	mg/dm <sup>2</sup> = milligram per square dec	imeter of foodstuff in contact w	ith		
D	eporting Limit: 10 mg/kg – 2,5 m	ng/dm²			
	rmissible Limit: 60 mg/kg - 10 mg	•			
	•				
	Permissible limit specified by Co 2020 with amendments.		<u> </u>		
2	Analytical tolerance of aqueous	simulants is 2 mg/dm <sup>2</sup> or 12 mg	/kg.		
3	Test condition & simulant were (EU) No 2020/1245 of 2 Septem		o Commission Regulation		
2	The volume of simulant used is				
_	The ratio of surface area to volume		oodstuff in contact with.		
	6. Total food contact surface area of				
	according to Commission Regul	ation (EU) No 2020/1245 of 2 S	September 2020.		
7	7. Only food contact surface area o	f cap, gaskets, stopper or simila	r sealing article is applied in		
	the calculation of the result.				





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	Overall Migration with 10% Ethanol (Simulant A) for Plastic Materials in Contact with							
	Commission Regulation (EU	*						
Test Me	<b>Test Method :</b> With reference to Commission Regulation (EU) No 2020/1245 of 2 September 2020							
		selection of condition and EN 11	86-1/3 for selection of test					
	methods.							
	BS EN 1186-3:2022 Materials and articles in contact with foodstuffs. Plastics - Test							
methods for overall migration in evaporable simulants.								
	Test Conditions: 2 hours at 70 °C (3 <sup>rd</sup> Migration)							
Simulant	Used: 10% Ethanol (V/V) Aqueou	s Solution						
	Resu	ult(s) (mg/dm <sup>2</sup> )						
	2400	1001						
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> Migration					
Trial 1	<2.5	<2.5	<2.5					
Trial 2	<2.5	<2.5	<2.5					
Trial 3	<2.5	<2.5	<2.5					
Average	<2.5	<2.5	<2.5					
Conclusion		Pass						
Note(s):	a.d. = not detected							
0	C = degree Celsius							
r	ng/kg = milligram per kilogram of	foodstuff in contact with						
	ng/dm <sup>2</sup> = milligram per square deci		th					
Re	eporting Limit: $10 \text{ mg/kg} - 2.5 \text{ m}$	ng/dm <sup>2</sup>						
Per	<b>missible Limit :</b> 60 mg/kg - 10 mg	g/dm <sup>2</sup>						
Remark(s):	1. Permissible limit specified by Co	ommission Regulation (EU) No 2	2020/1245 of 2 September					
	2020 with amendments.		1					
2	2. Analytical tolerance of aqueous	simulants is 2 mg/dm <sup>2</sup> or 12 mg/	kg.					
	Test condition & simulant were s							
	(EU) No 2020/1245 of 2 Septem							
4	The volume of simulant used is (	0.1 L.						
5	The ratio of surface area to volur	me ratio is 0.6 dm <sup>2</sup> per 1 kg of fo	oodstuff in contact with.					
6	Total food contact surface area o							
0	according to Commission Regula							
7	Only food contact surface area of	f cap, gaskets, stopper or similar	sealing article is applied in					
,	the calculation of the result.							





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_	tion with 95% Ethanol (Simul Commission Regulation (EU							
	thod: With reference to Commission III and Annex V for selection	on Regulation (EU) No 2020, n of condition and EN 1186-1. Ils and articles in contact with						
<b>Test Conditions:</b> 2 hours at 70 °C, Performed at : 2 hours at 60 °C (3 <sup>rd</sup> Migration)								
Simulant U	Used: 95% Ethanol (V/V) Aqueous	s Solution						
	Res	ult(s) (mg/dm²) I001						
	1 <sup>st</sup> migration 2 <sup>nd</sup> migration 3 <sup>rd</sup> Migration							
Trial 1 :	4.00	<2.5	<2.5					
Trial 2 :	3.67	<2.5	<2.5					
Trial 3 :	4.00	<2.5	<2.5					
Average :	3.89	<2.5	<2.5					
<b>Conclusion:</b>		Pass						
m *		meter of foodstuff in contact oil is recommended for comp	with pliance confirmation if the material d Rigid Plastics, PS, SAN, ABS,					
Re	porting Limit: 10 mg/kg – 2,5 m	g/dm <sup>2</sup>						
Peri	missible Limit: 60 mg/kg - 10 mg	/dm <sup>2</sup>						
2 3 4 5 6	<ul> <li>Permissible limit specified by Co 2020 with amendments.</li> <li>Analytical tolerance of aqueous s</li> <li>Test condition &amp; simulant were s (EU) No 2020/1245 of 2 Septembers</li> <li>The volume of simulant used is 0</li> <li>The ratio of surface area to volument to according to Commission Regulars</li> <li>Only food contact surface area of the calculation of the result.</li> </ul>	imulants is 2 mg/dm <sup>2</sup> or 12 mpecified by client,/ according per 2020 with amendments.  1.1 L.  The ratio is 0.6 dm <sup>2</sup> per 1 kg of f whole article is applied in thation (EU) No 2020/1245 of 2	ng/kg. to Commission Regulation  f foodstuff in contact with. ne calculation of the result September 2020.					





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		II/II/Ib and Ita Amandmanta				
Test Method:	With reference to Commis Annex III and Annex V fo methods. BS EN 1186-3:2022 Mater	Regulation (EU) No. 2020/1245 and Its Amendments  With reference to Commission Regulation (EU) No 2020/1245 of 2 September 2020  Annex III and Annex V for selection of condition and EN 1186-1/3 for selection of test methods.  BS EN 1186-3:2022 Materials and articles in contact with foodstuffs. Plastics - Test methods for overall migration in evaporable simulants.				
<b>Test Condition</b>	s: 2 hours at 70 °C, Performe	ed at : 0.5 hours at 40 °C (3	<sup>rd</sup> Migration)			
Simulant Used	: Isooctane					
	Res	sult(s) (mg/dm²) I001				
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> Migration			
Trial 1		<2.5	<2.5			
Trial 2		<2.5	<2.5			
Trial 3		<2.5	<2.5			
Average		<2.5	<2.5			
Conclusion	:	Pass				
	* Further verification by vegeta	of foodstuff in contact with ecimeter of foodstuff in contact with able oil is recommended for corton, PVC, Organic Coating, Hard	npliance confirmation if the			
	<b>Reporting Limit:</b> $10 \text{ mg/kg} - 2.5$	mg/dm <sup>2</sup>				
R						
	rmissible Limit: 60 mg/kg - 10 m	ng/dm <sup>2</sup>				



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### **TEST RESULT**

### **Phthalates Content**

**Test Method** : CPSD-AN-00095-MTHD/45

Quantification analysis by GC-MS or LC-DAD-MS

Maximum Limit:	1000 mg/kg				
Tested Herry(z)	Result			Complexion	
Tested Item(s)	Detected Analyte(s)	Conc.	Unit	Conclusion	
I001	/	ND	mg/kg	PASS	

Note:

$$\begin{split} ND &= Not \ detected \\ mg/kg &= milligram(s) \ per \ kilogram \\ 10 \ 000 \ mg/kg &= 1 \ \% \end{split}$$

10 000 mg/kg = 1 % Detection Limit ( mg/kg ) - 50 each ">" = Greater than mg/kg = ppm = part(s) per million

% = percent

Conc. = Concentration

### Remark:

- The list of Phthalates is summarized in table of Appendix.



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### **TEST RESULTS**

### Sensory Test (Odour and Taste) - Simulant Water

Test method: BV CPS In House Method, CPSD-AN-00084-MTHD, DIN 10955

**Test condition:** Water, 2 hours - 70°C

-	Results				
Tested Item(s)	Parameter	Limit	Conc.	Unit	Conc.
1001	Change of Odour	≤ 2.5	0.0	-	Pass
I001	Change of Taste	≤ 2.5	0.0	-	Pass

Off-odour in comparison with control

0 = no perceptible off-odour

1 = off-odour just perceptible (but still difficult to define)

2 = slight off-odour 3 = distinct off-odour

4 = strong off-odour

Off-taste in comparison with control

0 = no perceptible off-taste

1 = off-taste just perceptible (but still difficult to define)

2 = slight off-taste 3 = distinct off-taste 4 = strong off-taste

C/N GK/MO

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APPENDIX A –LIST OF MEASUREMENT UNCERTAINTIES				
TEST NAME	STANDARD NAME	MEASUREMENT UNCERTAINTY		
Phthalates Content	CPSD-AN-00095-MTHD	± %14.59		

APPENDIX							
Test Name	Standard	In-house Method	Measurement Uncertainity				
Overall Migration: Total Immersion Method – Simulant B	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 9,7				
Overall Migration: Total Immersion Method – Simulant A	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 10,0				
Overall Migration: Total Immersion Method – Simulant S1	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 9,7				
Overall Migration: Total Immersion Method – Simulant S2	BS EN 1186-3	CPSD-AN-00800-MTHD	± % 8,8				

### APPENDIX

List of	List of Phthalates:							
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.			
1	Dibutyl phthalate (DBP)	84-74-2	5	Diisobutyl phthalate (DiBP)	84-69-5			
2	Di-iso-decyl phthalate (DIDP)	26761-40-0 and 68515-49-1	6	Benzyl butyl phthalate (BBP)	85-68-7			
3	Di-isononyl phthalate (DINP)	28553-12-0 and 68515-48-0	7	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7			
4	Di-n-octyl phthalate (DNOP)	117-84-0						

### -END OF REPORT-