



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

COMPANY NAME : DEPA EV VE MUTFAK GERECLERI SAN VE TIC LTD STI
(Address: Süleymaiye mh. Ismetiye Cad. No:10 Fatih/Istanbul)
(Attn: Gizem GOKTAS gizem@dmoonji.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

PRODUCTION DATE : /

COUNTRY OF ORIGIN : TURKIYE

COUNTRY OF DESTINATION : GERMANY

OVERALL CONCLUSION : PASS

C/N GK/MO

BV CPS TEST LABORATUVARLARI LTD. STI.
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TL-961

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

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
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TL-961

72230720423

21.03.2023

Pictures of the Submitted Samples

Sample A



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PAGE 3 / 11

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TL-961

72230720423

21.03.2023

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

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TL-961

72230720423

21.03.2023

TEST RESULTS

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 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 rd Migration)	
Simulant Used:	3% Acetic Acid (W/V) Aqueous Solution		
Result(s) (mg/dm²)			
I001			
	1st migration	2nd migration	3rd 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/dm ² = milligram per square decimeter of foodstuff in contact with		
Reporting Limit :	10 mg/kg – 2,5 mg/dm ²		
Permissible Limit :	60 mg/kg - 10 mg/dm ²		
Remark(s) :	<ol style="list-style-type: none"> 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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TEST RESULTS

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.		
Test Conditions:	2 hours at 70 °C	(3 rd Migration)	
Simulant Used:	10% Ethanol (V/V) Aqueous Solution		
Result(s) (mg/dm²)			
I001			
	1st migration	2nd migration	3rd 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/dm ² = milligram per square decimeter of foodstuff in contact with		
Reporting Limit :	10 mg/kg – 2,5 mg/dm ²		
Permissible Limit :	60 mg/kg - 10 mg/dm ²		
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 ² 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 dm ² 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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TL-961

72230720423

21.03.2023

TEST RESULTS

Overall Migration with 95% Ethanol (Simulant S1) 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 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, Performed at : 2 hours at 60 °C	(3 rd Migration)	
Simulant Used:	95% Ethanol (V/V) Aqueous Solution		
Result(s) (mg/dm²)			
I001			
	1st migration	2nd migration	3rd 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
Conclusion :	Pass		
Note(s) :	n.d. = not detected		
	°C = degree Celsius		
	mg/kg = milligram per kilogram of foodstuff in contact with		
	mg/dm ² = milligram per square decimeter of foodstuff in contact with		
	* Further verification by vegetable oil is recommended for compliance confirmation if the material of the sample is not Nylon, PVC, Organic Coating, Hard and Rigid Plastics, PS, SAN, ABS, Melamine.		
Reporting Limit :	10 mg/kg – 2,5 mg/dm ²		
Permissible Limit :	60 mg/kg - 10 mg/dm ²		
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 ² 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 dm ² 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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TL-961

72230720423

21.03.2023

TEST RESULTS

Overall Migration with Isooctane (Simulant S2) 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 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, Performed at : 0.5 hours at 40 °C	(3 rd Migration)
Simulant Used:	Isooctane	

Result(s) (mg/dm²) I001

	1 st migration	2 nd migration	3 rd 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

* Further verification by vegetable oil is recommended for compliance confirmation if the material of the sample is not Nylon, PVC, Organic Coating, Hard and Rigid Plastics, PS, SAN, ABS, Melamine.

Reporting Limit : 10 mg/kg – 2,5 mg/dm²

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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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				Conc.
	Parameter	Limit	Conc.	Unit	
I001	Change of Odour	≤ 2.5	0.0	-	Pass
	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

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 Item(s)	Result			Conclusion
	Detected Analyte(s)	Conc.	Unit	
I001	/	ND	mg/kg	PASS

Note:

ND = Not detected
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.



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TL-961

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21.03.2023

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 Uncertainty
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-

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