



# ÇAPA ÇEVRE ANALİZ LABORATUVARY

## ANALYSIS REPORT



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<b>Type of Report:</b> Private Request	<b>Report Number:</b> Ç23-882/YK-882
<b>Analysis Requested by;</b>	<b>Date of Report:</b> 04.12.2023
<b>Name:</b> PRATIC PLASTIC DIŞ. TİC. A.Ş.	<b>Sample Details;</b>
<b>Manufacturer:</b> PRATIC PLASTIC DIŞ. TİC. A.Ş.	<b>Name:</b> WATER BOTTLE
<b>Sender:</b> PRATIC PLASTIC DIŞ. TİC. A.Ş.	<b>Code:</b> UP-302
<b>Address:</b> MAHMUTBEY MH. 2428 SOK. NO:119 BAĞCILAR-İSTANBUL/TURKIYE	<b>Piece:</b> 24 Pcs
<b>Offer Number:</b> Ç23-YK-882	<b>Type of Delivery:</b> Cargo
	<b>Date Received:</b> 23.11.2023
	<b>Date Started:</b> 23.11.2023 12:00
	<b>Date Finished:</b> 04.12.2023 09:00



### RESULT

#### 1. Overall Migration Test

Name of Analysis	Result	Result	Result	Unit	U.M.	Reference Ranges	Methods	Conformity
Migration Test, Food Simuland A (10% Ethyl Alcohol)*Filling 40 °C 10 d <sup>1</sup>	4,5	4,4	4,2	mg/kg	± 0,09	≤ 60	TS EN 1186-9	Passed
Migration Test, Food Simuland A (50% Ethyl Alcohol)*Filling 40 °C 10 d <sup>1</sup>	4,5	4,4	4,2	mg/kg	± 0,09	≤ 60	TS EN 1186-9	Passed
Migration Test, Food Simuland B (3% acetic acid)*Filling 40 °C 10 d <sup>1</sup>	8,9	8,7	8,5	mg/kg	± 0,11	≤ 60	TS EN 1186-9	Passed
Migration Test, Food Simuland D2 (Olive Oil) Filling 40 °C 10 d <sup>1</sup>	2,3	2,1	2,0	mg/kg	± 0,13	≤ 60	TS EN 1186-9	Passed
Name of Analysis	Result	Result	Result	Unit	U.M.	Reference Ranges	Methods	Conformity
Migration Test, Food Simuland A (10% Ethyl Alcohol)*Filling 40 °C 24 h <sup>1</sup>	3,6	3,4	3,1	mg/kg	± 0,09	≤ 60	TS EN 1186-9	Passed
Migration Test, Food Simuland A (50% Ethyl Alcohol)*Filling 40 °C 24 h <sup>1</sup>	3,9	3,5	3,2	mg/kg	± 0,09	≤ 60	TS EN 1186-9	Passed
Migration Test, Food Simuland B (3% acetic acid)*Filling 40 °C 24 h <sup>1</sup>	9,3	9,1	9,0	mg/kg	± 0,11	≤ 60	TS EN 1186-9	Passed
Migration Test, Food Simuland D2 (Olive Oil) Filling 40 °C 24 h <sup>1</sup>	1,8	1,7	1,5	mg/kg	± 0,13	≤ 60	TS EN 1186-9	Passed
Name of Analysis	Result	Result	Result	Unit	U.M.	Reference Ranges	Methods	Conformity
Migration Test, Food Simuland A (10% Ethyl Alcohol)*Filling 70 °C 2 h <sup>1</sup>	4,6	4,3	4,1	mg/kg	± 0,09	≤ 60	TS EN 1186-9	Passed
Migration Test, Food Simuland A (50% Ethyl Alcohol)*Filling 40 °C 24 h <sup>1</sup>	3,9	3,5	3,2	mg/kg	± 0,09	≤ 60	TS EN 1186-9	Passed
Migration Test, Food Simuland B (3% acetic acid)* Filling 70 °C 2 h <sup>1</sup>	9,5	9,4	9,2	mg/kg	± 0,11	≤ 60	TS EN 1186-9	Passed
Migration Test, Food Simuland D2 (Olive Oil) Filling 70 °C 2 h <sup>1</sup>	2,1	2,0	1,8	mg/kg	± 0,13	≤ 60	TS EN 1186-9	Passed

#### 2. Bisphenol A (BPA) Content Test

Name of Analysis	Result	Result	Result	Unit	LOQ	Reference Ranges	Methods	Conformity
BPA	N.D.	N.D.	N.D.	mg/kg	0,1	N.D.	GC-MS	Passed

With reference to US EPA 3540C-1996.

#### 3. Specific Migration of Primary Aromatic Amines

Name of Analysis	Result	Result	Result	Unit	LOQ	Reference Ranges	Methods	Conformity
PAA	N.D.	N.D.	N.D.	mg/kg	0,01	N.D.	LC-MS/MS	Passed

3% Acetic acid, 40 °C, 10 d

Due to customer demand analyses results were interpreted according to Turkish Food Codex Food Contact Matter and Material Communiqué 2019/44 and Commission Regulation EU No: 10/2011. Performed parameter(s) for the compliance with the following regulations concerning materials in contact with foodstuff: German §31 LFGB (Lebensmittel-, Bedarfsgegenstände- und Futtermittelgesetzbuch)/ In accordance with LFGB section 30 and 31 with amendments, Commission Regulation (EU) No. 10/2011 and its amendments, BfR recommendation

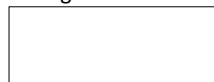
#### Descriptions :

- The sample was not taken by us.
- The results and opinions in this report apply to the above-mentioned sample. No part of this report may be used alone or separately and may not be reproduced without the permission of the Çapa Çevre Analiz Laboratuvarı. Unsigned reports are invalid.
- Extended measurement uncertainties are specified when weather and environmental conditions for customer demand or legal regulations.
- Nor to be used for juridical -official without the written permission of The results given herein apply to the submitted sample only.
- Çapa Çevre Analiz Lab, accredited by IAS under registration number TL-789 for TS EN ISO 17025:2017 test laboratory.
- Measurement uncertainty has been calculated as expanded uncertainty (k=2) at 95 % confidence interval.
- Uncertainty of Measurement: U.M. - Decision Rule: D.R. - h: hours - d: day - LOQ: Limit of Quantification \* : Accredited test N.D: Not Detected d: day

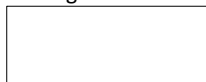
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## ANALYSIS REPORT



2-3

TL-789

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### 4. Specific Migration of Heavy Metal Test

Name of Analysis	Result	Result	Result	LOQ	Reference Ranges	Conformity
Aluminium (Al)	N.D.	N.D.	N.D.	0,008	< 1	Passed
Antimony (Sb)	N.D.	N.D.	N.D.	0,003	< 0,04	Passed
Arsenic (As)	N.D.	N.D.	N.D.	0,0002	< 0,01	Passed
Barium (Ba)	N.D.	N.D.	N.D.	0,007	< 1	Passed
Cadmium (Cd)	N.D.	N.D.	N.D.	0,0009	< 0,002	Passed
Chromium (Cr) ^	N.D.	N.D.	N.D.	0,001	< 0,01	Passed
Cobalt (Co)	N.D.	N.D.	N.D.	0,007	< 0,05	Passed
Lead (Pb)	N.D.	N.D.	N.D.	0,002	< 0,01	Passed
Copper (Cu)	N.D.	N.D.	N.D.	0,007	< 5	Passed
Manganese (Mn)	N.D.	N.D.	N.D.	0,007	< 0,6	Passed
Mercury (Hg)	N.D.	N.D.	N.D.	0,0001	< 0,01	Passed
Nickel (Ni)	N.D.	N.D.	N.D.	0,007	< 0,02	Passed
Iron (Fe)	N.D.	N.D.	N.D.	0,008	< 48	Passed
Lithium (Li)	N.D.	N.D.	N.D.	0,008	< 0,6	Passed
Zinc (Zn)	N.D.	N.D.	N.D.	0,010	< 5	Passed
Europium (Eu)	N.D.	N.D.	N.D.	0,005		
Gadolinium (Gd)	N.D.	N.D.	N.D.	0,005	< 0,05	Passed
Lanthanum (La)	N.D.	N.D.	N.D.	0,005		
Terbium (Tb)	N.D.	N.D.	N.D.	0,005		

3% Acetic acid, 40 °C, 10 Days With reference to EN 13130-1

### 5. Polycyclic Aromatic Hydrocarbons (PAHs)

Name of Analysis	CAS No	Result	Unit	LOQ	Reference Ranges	Methods	Conformity
Naphthalene	91-20-3	N.D.	mg/kg	0,1	< 0,1	GC-MS	Passed
Acenaphthylene	208-96-8	N.D.	mg/kg	0,1	< 0,1	GC-MS	Passed
Anthracene	120-12-7	N.D.	mg/kg	0,1	< 0,1	GC-MS	Passed
Acenaphthene	83-32-9	N.D.	mg/kg	0,1	< 0,1	GC-MS	Passed
Fluorene	86-73-7	N.D.	mg/kg	0,1	< 0,1	GC-MS	Passed
Phenanthrene	85-01-8	N.D.	mg/kg	0,1	< 0,1	GC-MS	Passed
Pyrene	129-00-0	N.D.	mg/kg	0,1	< 0,1	GC-MS	Passed
Benz[a]anthracene	56-55-3	N.D.	mg/kg	0,1	< 0,1	GC-MS	Passed
Chrysene	218-01-9	N.D.	mg/kg	0,1	< 0,1	GC-MS	Passed
Benzo[b]fluoranthene	205-99-2	N.D.	mg/kg	0,1	< 0,1	GC-MS	Passed
Benzo[k]fluoranthene	207-08-9	N.D.	mg/kg	0,1	< 0,1	GC-MS	Passed
Benzo[j]fluoranthene	205-82-3	N.D.	mg/kg	0,1	< 0,1	GC-MS	Passed
Benzo[a]pyrene	50-32-8	N.D.	mg/kg	0,1	< 0,1	GC-MS	Passed
Benzo[e]pyrene	192-97-2	N.D.	mg/kg	0,1	< 0,1	GC-MS	Passed
Fluoranthene	206-44-0	N.D.	mg/kg	0,1	< 0,1	GC-MS	Passed
Benzo[g,h,i]perylene	191-24-2	N.D.	mg/kg	0,1	< 0,1	GC-MS	Passed
Dibenzo[a,h]anthracene	53-70-3	N.D.	mg/kg	0,1	< 0,1	GC-MS	Passed
Indeno[1,2,3-cd]pyrene	193-39-5	N.D.	mg/kg	0,1	< 0,1	GC-MS	Passed
Sum of detected PAHs		N.D.					Passed

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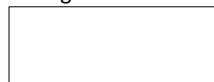
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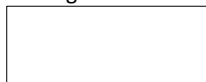
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### 6. Phthalates

Name of Analysis	Result	Unit	LOQ	Reference Ranges	Methods	Conformity
Dibutyl Phthalate (DBP)	N.D.	mg/kg	0,02	% 0,1	GC-MS	Passed
Dinonyloctyl Phthalate (DNOP)	N.D.	mg/kg	0,02	% 0,1	GC-MS	Passed
Diethylhexyl Phthalate (DEHP)	N.D.	mg/kg	0,02	% 0,1	GC-MS	Passed
Dicyclohexyl Phthalate (DCHP)	N.D.	mg/kg	0,02	% 0,1	GC-MS	Passed
Dibutylethyl Phthalate	N.D.	mg/kg	0,02	% 0,1	GC-MS	Passed
Benzybutyl Phthalate (BBP)	N.D.	mg/kg	0,02	% 0,1	GC-MS	Passed
Diisononylhexyl Phthalate (DNIP)	N.D.	mg/kg	0,02	% 0,1	GC-MS	Passed
Dipentyl Phthalate (DPP)	N.D.	mg/kg	0,02	% 0,1	GC-MS	Passed
Diisohexyl Phthalate	N.D.	mg/kg	0,02	% 0,1	GC-MS	Passed
Dimethyl Ethyl Phthalate	N.D.	mg/kg	0,02	% 0,1	GC-MS	Passed
Diisobutyl Phthalate (DIBP)	N.D.	mg/kg	0,02	% 0,1	GC-MS	Passed
Diethyl Phthalate	N.D.	mg/kg	0,02	% 0,1	GC-MS	Passed
Dimethyl Phthalate	N.D.	mg/kg	0,02	% 0,1	GC-MS	Passed
Diisodecyl Phthalate (DIDP)	N.D.	mg/kg	0,02	% 0,1	GC-MS	Passed
Dinitrophenyl Hydrazine	N.D.	mg/kg	0,02	% 0,1	GC-MS	Passed
Di(C7-C11 Alkyl) Phthalate (DHNUP)	N.D.	mg/kg	0,02	% 0,1	GC-MS	Passed

### 7. Migration of Colour in Food Simulants

Name of Analysis	Result	Reference Ranges	Methods	Conformity
Colour	98,4 98,2 98,1	≥ 95	Spectrophotometric	Passed

72h, 40°C

### 8. Sensory Test, Change Of Odour And Taste Through Direct Contact

Name of Analysis	Result	Reference Ranges	Methods	Conformity
Odour	0 0 0	≤ 2,5	DIN 10955	Passed
Taste	0 0 0	≤ 2,5	DIN 10955	Passed

24h, 40°C, coconut oil

### 9. Sensory Test, Change Of Odour And Taste Through Direct Contact

Name of Analysis	Result	Reference Ranges	Methods	Conformity
Odour	0 0 0	≤ 2,5	DIN 10955	Passed
Taste	0 0 0	≤ 2,5	DIN 10955	Passed

24 h, 40°C, water

Scale evaluation: 0: No perceptible odour and taste 1: Odour and taste just perceptible (still difficult to define) 2: Moderate odour and taste 3: Moderately strong odour and taste 4: Strong odour and taste

Due to customer demand analyses results were interpreted according to Turkish Food Codex Food Contact Matter and Material Communiqué 2019/44 and Commission Regulation EU No: 10/2011. Performed parameter(s) for the compliance with the following regulations concerning materials in contact with foodstuff: German §31 LFGB (Lebensmittel-, Bedarfsgegenstände- und Futtermittelgesetzbuch)/ In accordance with LFGB section 30 and 31 with amendments, Commission Regulation (EU) No. 10/2011 and its amendments, BfR recommendation

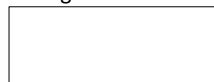
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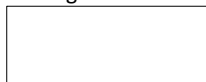
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