

(Traduzione della
"Declaration of Conformity"
rilasciata da PLATO Group B.V.
datata 31/10/19)

DICHIARAZIONE DI CONFORMITA'

Plato Group B.V., dichiara sotto la propria ed esclusiva responsabilità che il seguente prodotto:

PRODOTTO	ARTICOLO NUMERO
Borraccia 500 ml in alluminio. Con tappo nero a vite e moschettone	0788



È completamente conforme ai requisiti essenziali delle Direttive EU di pertinenza ed agli altri documenti normativi, come di seguito specificato.

Direttive EU

(EC) 1907/2006	Concernente la registrazione, la valutazione, l'autorizzazione e la restrizione delle sostanze chimiche (REACH)
(EC) 1935/2004	Materiali e articoli destinati a venire a contatto con alimenti
(EC) 10/2011	Materiali plastici e articoli destinati a venire in contatto con alimenti

Standard

EN 1122:2001	REACH Allegato XVII - determinazione del contenuto di Cadmio
EN 14372:2004	REACH Allegato XVII - determinazione del contenuto di Ftalati
(EC) 1935/2004 CMI/Res (2013)9	Determinazione migrazione specifica di metalli pesanti da metalli e leghe utilizzate in contatto con alimenti
(EC) 1935/2004 (EU) 10/2011 AP(2004)5	Determinazione: -Migrazione di metalli pesanti -Speciale migrazione di Ammine Primarie Aromatiche -Migrazione complessiva
AP(2004)5 (EC) 1935/2004 (EU) 10/2011 (EU) 2016/1416 (EU) 2017/752	Determinazione: -Per materiale: plastica e gomma - test migrazione complessiva -Per materiale: plastica - migrazione specifica metalli pesanti -Per materiale: metallo e rivestimento metallo - metalli pesanti estraibili

Milano, 06 Novembre 2019



Rosario Circo - Presidente

Declaration of Conformity

We, Plato Group, NL-5704 RC Helmond, declare under our sole responsibility that the following product:

Product	Article number
500 ML aluminium drinking bottle. With black twist-on lid with carabiner.	0788



is fully in conformity with the essential requirements of the relevant EU directives and other normative documents, as mentioned in the overview below.

EU directives

(EC) 1907/2006	concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
(EC) 1935/2004	On materials and articles intended to come into contact with food
(EU) 10/2011	On plastic materials and articles intended to come into contact with food

Standards

EN 1122:2001	REACH Annex XVII – to determine the Cadmium content
EN 14372:2004	REACH Annex XVII – to determine the Phthalates content
(EC) 1935/2004 CM/Res(2013)9	To determine Specific migration of heavy metal from metal and alloys used in contact with food
(EC) 1935/2004 (EU) 10/2011 AP(2004)5	To determine: <ul style="list-style-type: none"> - Migration of Heavy metals - Special Migration of Primary Aromatic Amine - Overall Migration
AP(2004)5 (EC) 1935/2004 (EU) 10/2011 (EU) 2016/1416 (EU) 2017/752	To determine: <ul style="list-style-type: none"> - For material: plastic and rubber – overall migration test - For material: plastic – specific migration of heavy metal - For material: metal or metallic coating – extractable heavy metals

Plato Group B.V.

October 31, 2019
 Helmond (NL)


 Ton Lobker
 CEO



**CENTRE OF TESTING SERVICE
INTERNATIONAL**

OPERATE ACCORDING TO ISO/IEC 17025

TEST REPORT

Test Report Number : CGZ3170508-01455-C

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TEST REPORT

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The measurement results only apply to the submitted samples.
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**TEST REPORT**REPORT No. : CGZ3170508-01455-C
DATE : Jul. 24, 2017
PAGE : 2 of 10**1 General Information****1.1 Application Details**Name :
Address :
Contact :
Telephone :
Fax :
Mobile telephone : /
Email :**1.2 Manufacturer & Buyer**Manufacturer name :
Address : /
Contact : /
Telephone : /
Fax : /
Mobile telephone : /
Email : /
Buyer name :**1.3 Description of the Test Item**Sample name : Aluminium Sports Bottle
Model No. :
Brand name : /
Condition of sample(s) : EFFECTIVE

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2 Test Results**2.1 General Information****2.1.1 Sample Receiving Date**

May 09, 2017 and Jul. 14, 2017

2.1.2 Testing Period

May 09, 2017 to Jul. 24, 2017

2.1.3 Test Requested

In accordance with Council of Europe Resolution AP(2004)5 , European Commission Directive 1935/2004/EC, Regulation (EU) No.10/2011 , Regulation (EU) No.2016/1416 and Regulation (EU) 2017/752.

- 1) For material : Plastic and rubber – Overall migration test
- 2) For material : Plastic – Specific migration of heavy metal
- 3) For material: Metal or metallic coating - Extractable Heavy Metals.
- 4) For material: Metal or metallic coating - Extractable Heavy Metals.
- 5) For material: Metal or metallic coating - Extractable Heavy Metals.

Remark: Selected test items as requested by applicants.

2.1.4 Test Method

- 1) With reference to EN 1186-1 for selection of temperature and condition; total immersion with reference to EN 1186-3 for aqueous food simulants and EN 1186-2 for olive oil.
- 2) With reference to Commission Regulation (EU) No.10/2011 of 14 January 2011 Annex III and Annex V for selection of simulant and conditions, EN13130-1:2004 for selection of test method, Samples were prepared at specific condition, followed by analysis using Inductively Coupled Argon Plasma Spectrometry.
- 3) Sample preparation in 0.5% citric acid at 70°C for 24 hours, followed by analysis using Inductively Coupled Argon Plasma Spectrometry.
- 4) Sample preparation in Distilled water at 40°C for 24 hours, followed by analysis using Inductively Coupled Argon Plasma Spectrometry.
- 5) Sample preparation in 0.5% citric acid at 40°C for 24 hours, followed by analysis using Inductively Coupled Argon Plasma Spectrometry.

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2.2 Results

1) Overall Migration Test

Simulant used	Temperature and condition	Limit (mg/dm ²)	Result (mg/dm ²)
			No.1
10% Ethanol	70 deg. C, 2 hours	10	<3
20% Ethanol	70 deg. C, 2 hours	10	<3
50% Ethanol	70 deg. C, 2 hours	10	<3
Rectified olive oil	70 deg. C, 2 hours	10	<3

Simulant used	Temperature and condition	Limit (mg/dm ²)	Result (mg/dm ²)
			No.2
Distilled water	40 deg. C, 24 hours	10	<3
3% Acetic acid	40 deg. C, 24 hours	10	<3

Simulant used	Temperature and condition	Limit (mg/dm ²)	Result (mg/dm ²)
			No.3
10% Ethanol	70 deg. C, 2 hours	10	<3
3% Acetic acid	70 deg. C, 2 hours	10	8
20% Ethanol	70 deg. C, 2 hours	10	<3
50% Ethanol	70 deg. C, 2 hours	10	<3
Rectified olive oil	70 deg. C, 2 hours	10	6

Simulant used	Temperature and condition	Limit (mg/dm ²)	Overall Migration (mg/dm ²)
			No.4
Distilled water	70 deg. C, 2 hours	10	<3.0
3% Acetic acid	70 deg. C, 2 hours	10	<3.0
10% Ethanol	70 deg. C, 2 hours	10	<3.0
95% Ethanol	70 deg. C, 2 hours	10	4*
Isooctane	70 deg. C, 2 hours	10	<3.0*

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- Note :
1. mg/dm² = milligram per square decimeter
 2. <= less than
 3. * The result was got from the third extraction duration
 4. Test simulant were specified by client
 5. Test condition were specified by client

2) Specific migration of heavy metal

Test Item	Limit (mg/kg)	MDL (mg/kg)	Result (mg/kg)	
			No.1	No.3
Extractable Barium	1.0	0.5	N.D.	N.D.
Extractable Cobalt	0.05	0.02	N.D.	N.D.
Extractable Copper	5.0	1.0	N.D.	N.D.
Extractable Iron	48.0	2.0	N.D.	N.D.
Extractable Lithium	0.6	0.2	N.D.	N.D.
Extractable Manganese	0.6	0.2	N.D.	N.D.
Extractable Zinc	5.0	2.0	N.D.	N.D.
Extractable Aluminium	1.0	0.5	N.D.	N.D.
Extractable Nickel	0.02	0.02	N.D.	N.D.

- Note :
1. mg/kg = milligram per kilogram
 2. N.D. = not detected (less than MDL)
 3. The limit refers to Regulation (EU) No.10/2011, Regulation (EU) No.2016/1416 and Regulation (EU) 2017/752.

3) Extractable Heavy Metals

Test Item	MDL (mg/kg)	Result Sum 1 st +2 nd contact (mg/kg)		Limit Sum 1 st +2 nd contact (mg/kg)	Result 3 rd contact (mg/kg)		Limit 3 rd contact (mg/kg)
		No.1	No.5		No.1	No.5	
Silver	0.08	N.D.	N.D.	0.56	N.D.	N.D.	0.08
Cobalt	0.02	N.D.	N.D.	0.14	N.D.	N.D.	0.02
Chromium	0.10	N.D.	N.D.	1.75	N.D.	N.D.	0.25
Copper	4.0	N.D.	N.D.	28	N.D.	N.D.	4
Iron	4.0	N.D.	N.D.	280	N.D.	N.D.	40

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Magnesium	0.1	N.D.	N.D.	---	N.D.	N.D.	---
Manganese	1.0	N.D.	N.D.	12.6	N.D.	N.D.	1.8
Molybdenum	0.10	N.D.	N.D.	0.84	N.D.	N.D.	0.12
Nickel	0.10	N.D.	N.D.	0.98	N.D.	N.D.	0.14
Tin	4	N.D.	N.D.	700	N.D.	N.D.	100
Titanium	0.1	N.D.	N.D.	---	N.D.	N.D.	---
Vanadium	0.01	N.D.	N.D.	0.07	N.D.	N.D.	0.01
Zinc	4.0	N.D.	N.D.	35	N.D.	N.D.	5
Arsenic	0.002	N.D.	N.D.	0.014	N.D.	N.D.	0.002
Barium	1.0	N.D.	N.D.	8.4	N.D.	N.D.	1.2
Beryllium	0.01	N.D.	N.D.	0.07	N.D.	N.D.	0.01
Cadmium	0.005	N.D.	N.D.	0.035	N.D.	N.D.	0.005
Mercury	0.003	N.D.	N.D.	0.021	N.D.	N.D.	0.003
Lithium	0.040	N.D.	N.D.	0.336	N.D.	N.D.	0.048
Lead	0.01	N.D.	N.D.	0.07	N.D.	N.D.	0.01
Antimony	0.04	N.D.	N.D.	0.28	N.D.	N.D.	0.04
Thallium	0.0001	N.D.	N.D.	0.0007	N.D.	N.D.	0.0001

4) Extractable Heavy Metals

Test Item	MDL (mg/kg)	Result Sum 1 st +2 nd contact (mg/kg)		Limit Sum 1 st +2 nd contact (mg/kg)	Result 3 rd contact (mg/kg)		Limit 3 rd contact (mg/kg)
		No.2	No.6		No.2	No.6	
Aluminium	4.0	N.D.	N.D.	35	N.D.	N.D.	5

5) Extractable Heavy Metals

Test Item	MDL (mg/kg)	Result Sum 1 st +2 nd contact (mg/kg)		Limit Sum 1 st +2 nd contact (mg/kg)	Result 3 rd contact (mg/kg)		Limit 3 rd contact (mg/kg)
		No.2	No.6		No.2	No.6	
Aluminium	4.0	N.D.	N.D.	35	N.D.	N.D.	5

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Note : 1. mg/kg = milligram per kilogram of foodstuff in contact with
2. N.D. = Not Detected (<MDL)
3. MDL = Method Detection Limit
4. The limit refer to Technical document for metals and alloys used as food contact materials (2013)

Test Part Description :

No.1 : Epoxy polymer coating
No.2 : Epoxy polymer coating (Sample Receiving Date: Jul. 14, 2017)
No.3 : Black PP lid
No.4 : Clear silicone sealed ring
No.5 : Golden whorl (Al)
No.6 : Golden whorl (Al) (Sample Receiving Date: Jul. 14, 2017)

Written by: *Amanda* Inspected by: *Annie* Approved by: *hyt*

*** End of Report ***



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3 Sample Reference Photo



Test sample



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