



It is hereby declared that the products distributed by 24Bottles Società Benefit S.r.l. are made of AISI 304 18/8 stainless steel (water bottle), silicone(gasket) and polypropylene (PP) (cap) and comply with the following legislations:

- **EC Regulation No. 2023/2006 and subsequent updates and revisions**
- **DPR 777/82 and subsequent updates and revisions**

Specifically, the individual components, evaluated on the basis of their constituent material, comply with the legislation below.

Plastic components comply with the following legislation:

- **Regulation No. 1935/2004 EC as amended R**
- **EU Regulation 10/2011 as amended**
- **EC Regulation 1907/2006 REACH and amendments thereto**
- **Ministerial Decree 21/03/1973 SO OJ No. 104 20/04/1973 et amen. (Italy)**
- **FDA 21 crf 177.1520 - Olefin Polymers (USA)**
- **Standards and Specifications for Utensils, Containers and Package 2022 (Korea)**
- **RESOLUÇÃO DA DIRETORIA COLEGIADA RDC Nº 56, DE 16 DE NOVEMBRO DE 2012, and subsequent updates (Brazil)**
- **NADFC: Regulation No 20/2019: Food Packaging Control (Indonesia)**

Silicone components comply with:

- **European resolution reap (2004)5 on silicones used for food contact applications.**
- **Regulation No. 1935/2004 as amended.**
- **EC Regulation 1907/2006 REACH and subsequent amendments.**
- **EU Regulation 10/2011 and subsequent amendments.**
- **Ministerial Decree 21/03/1973 SO OJ No. 104 20/04/1973 and amen. (Italy)**
- **Bundesinstitut für Risikobewertung XV Sec. III (Germany)**
- **Loi n°2010-729 du 30 juin 2010 and amend, DGCCRF (France)**
- **Arrêté du 25 novembre 1992 relatif aux matériaux et objets en élastomères de silicone (France)**



- **FDA 21 crf 177.1210 - Closures with seals for food containers (USA)**
- **Standards and Specifications for Utensils, Containers and Package 2022 (Korea)**
- **RESOLUÇÃO Nº 123, DE 19 DE JUNHO DE 2001 and subsequent updates (Brazil)**
- **NADFC: Regulation No 20/2019: Food Packaging Control (Indonesia)**
- **Commodities Act Packaging and Consumables Consulted on 07/20/2022 (Netherlands)**

The AISI 304 18/8 stainless steel component complies with

- **Regulation No. 1935/2004, as amended.**
- **Council of Europe Resolution CM Res (2013)9 on metals and alloys used in food contact materials and articles**
- **EC Regulation 1907/2006 REACH and subsequent amendments**
- **Ministerial Decree 21/03/1973 SO OJ No. 104 20/04/1973 and amen. (Italy)**
- **Standards and Specifications for Utensils, Containers and Package 2022 (Korea)**

The user of the product intended for food contact is responsible for notifying the writing company of any restrictions due to compositional characteristics (presence of additives to flavorings) in the food product.

This Declaration of Conformity is valid for the product delivered by us as specified above.

The information included in this document is valid from the version date indicated until this document is replaced. Due to possible changes in legislation and regulations indicated, as well as possible changes in our products, we cannot guarantee that the status of this document will remain unchanged.

24Bottles recommends that our customers periodically check the regulatory status. It will be renewed in all cases where previous compliance is no longer guaranteed.

The following are the test conditions and tests performed on the products in order to achieve the stated compliance.

Name and Surname: *Melotti Matteo*

Function: *Co-founder & legale representative pro-tempore*



Signature/ Stamp:

Date: 2024

24 BOTTLES SOCIETÀ BENEFIT S.R.L.

A SOCIETÀ UNICA

Via Toscanini, 9

40055 Villanova di Castenaso (BO)

P. IVA e C.F. 03874391208

SDI: 3ZJY534 - Cap. Soc. € 1.000.000 i.v.

All product components comply with the above standards despite their coloring.

24Bottles Società Benefit S.r.l.

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Sample Identified as: 24Bottles Travel Tumber



❖ **EC Regulation No. 1935/2004 - Organoleptic test, evaluation of gustatory organoleptic inertness.**

Simulant	Time	Temperature
Water	24h	40°C

❖ **EC Regulation No. 1935/2004 – Organoleptic test, evaluation of organoleptic olfactory inertness**

Simulante	Time	Temperature
Water	24h	40°C

❖ **EC Regulation No. 1935/2004 - HS GC/MS screening of volatile substances.**

Time	Temperature
30'	120°C

❖ **EC Regulation No. 1935/2004 - GC/MS screening of semi-volatile substances in worst case simulant**

❖ **EC Regulation No. 1935/2004 - HPLC/QTOF screening of nonvolatile substances in worst case simulant**

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Sample identified as: lid

Materiale: PP (Polipropilene)



❖ FDA 21 crf 177.1520, Polypropylene

Test Item	Time	Temperature
N – Estract Hexan (% m/m)	2h	Reflux
Extractive Xylene (% m/m)	2h	25°C

❖ Phthalate Content

Elemento di prova	CAS
DBP	84-74-2
BBP	85-68-7
DEHP	117-81-7
DINP	28553-12-0
DIDP	26761-40-0
DEHA	103-23-1
DAP	131-17-9

❖ Specific migration of the sum of primary aromatic amines (evaluation at first, second and third attack)

Simulant	Time	Temperature
Acetic Acid 3%	2h	70 C

❖ Specific migration of primary aromatic amines (evaluation at first, second and third attack)



Simulant	Time	Temperature
Acetic Acid 3%	2h	70 C

- ❖ Specific migration of heavy metals (Al, Sb, As, Ba, Cd, Cr, Co, Cu, Fe, Pb, Li, Mn, Hg, Ni, Zn) (assessment at first, second, and third attack)

Simulant	Time	Temperature
Acetic Acid 3%	2h	70 C

- ❖ Migrazione specifica di 4 metalli lantanidi (La, Eu, Gd, Tb) (valutazione al primo, secondo e terzo attacco)

Simulant	Tempo	Temperatura
Acido acetico 3%	2h	70 C

- ❖ Sum of the Specific Migration of Lanthanids (La, Eu, Gd, Tb) (assessment at first, second and third attack)

Simulant	Time	Temperature
Acetic Acid	2h	70 C

- ❖ Bisphenol A Content

Test Item	CAS
Bisphenol A (BPA)	80-05-7

- ❖ Global migration (assessment at first, second and third attack) according to Reg.10/2011

Simulant	Time	Temperature
Acetic Acid 3%	2h	70°C
Ethanol 10%	2h	70°C
Ethanol 95%	2h	60°C
Isotane	30'	40°C

- ❖ Specific migration of dyes

Simulant	Time	Temperature
Acetic Acid 3%	2h	70 C



Ethanol 10%	2h	70 C
Sunflower Oil	2h	70 C

❖ REACH - HS GC/MS screening of volatile substances

Time	Temperature
30'	120°C

- ❖ REACH Regulation - GC/MS screening of semi-volatile target substances in hexane extraction liquid
- ❖ REACH Regulation - HPLC-QTOF screening of nonvolatile target substances in ethanol extraction liquid
- ❖ Global migration according to Korea Standards

Simulant	Time	Temperature
Water	2h	105°C
Acetic Acid 4%	2h	105°C
Ethanol n-heptane	2h	105°C

- ❖ Specific migration of Lead according to Korea Standards.
- ❖ Potassium Permanganate content according to Korea Standards
- ❖ Specific migration of 3-methyl-1-butene (CAS 563-45-1) according to Brazilian legislation.
- ❖ Specific migration of metals (Pb, Cd, Cr, Hg) according to Indonesian legislation.

These tests are for all 24Bottles polypropylene products.



Sample identified as: o-ring (gasket)

Material: silicone



❖ **FDA 21 crf 177.1210, Locks with sealing gaskets**

Test item	Time	Temperature
Extractable fraction in distilled water	2h	150°F
Extractable fraction in distilled water	48h	70°F
Extractable fraction in Eptan	30'	70°F
Extractable fraction in EtOH 8% chloroform	48h	70°F
Extractable fraction in EtOH 8% chloroform	2h	150°F

❖ **Global migrations**

Simulant	Time	Temperature
Acetic Acid 3%	2h	70°C
Ethanol 10%	2h	70°C
Olive oil	2h	70°C

❖ **Specific migration of heavy metals (Al, Sb, As, Ba, Cd, Cr, Co, Cu, Fe, Pb, Li, Mn, Hg, Ni, Zn))**

Simulant	Time	Temperature
Acetic Acid 3%	2h	70 C

❖ **Specific migration of 4 lanthanide metals. (La, Eu, Gd, Tb)**

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Simulant	Time	Temperature
Acetic Acid 3%	2h	70 C

❖ **Sum of the Specific Migration of Lanthanides. (La, Eu, Gd, Tb)**

Simulant	Time	Temperature
Acetic Acid 3%	2h	70 C

Removable fraction

Test	Time	Temperature
Extractable fraction in distilled water	4h	Reflux
Extractable fraction in Acetic Acid 3%	4h	Reflux
Extractable fraction in ethanol 10%	4h	Reflux
Extractable fraction in ethanol 50%	4h	Reflux

❖ **Specific migration of dyes**

Simulant	Time	Temperature
Acetic Acid 3%	2h	70 C
Ethanol 50%	2h	70 C
Sunflower oil	2h	70 C

❖ **Specific migration of the sum of primary aromatic amines**

Simulant	Time	Temperature
Acetic Acid 3%	2h	70 C

❖ **Specific migration of primary aromatic amines**

Simulant	Time	Temperature
Acetic Acid 3%	2h	70 C

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❖ Polycyclic aromatic hydrocarbon content (IPA)

Test item(s)	CAS
Acenaphthene	83-32-9
Acenaphthylene	208-96-8
Anthracene	120-12-7
Benzo(a)Anthracene	56-55-3
Benzo(a)Fluoranthene	203-33-8
Benzo(a)Pyrene	50-32-8
Benzo(e)pyrene	192-97-2
Benzo(g,h,i)perylene	191-24-2
Benzo(h)Fluoranthene	205-99-2
Benzo(j)Fluoranthene	205-82-3
Benzo(k)Fluoranthene	207-08-9
Chrysene	218-01-9
Dibenzo(a,h)anthracene	53-70-3
Phenanthrene	85-01-8
Fluoranthrene	206-44-0
Fluorene	86-73-7
Indeno(1,2,3cd)pyrene	193-39-5
Naphthalene	91-20-3
Pyrene	129-00-0

❖ Peroxide Contents

❖ Platinum-specific migration

Simulante	Tempo	Temperatura
Acido acetico 3%	2h	70°C

❖ Platinum contents

❖ Volatile organic compound content (COV)



Test item	Time	Temperature
COV Contents	4h	200 °C

❖ **Organic content (expressed as tin)**

Simulant	Time	Temperature
Acetic Acid 3%	2h	70 C

Content of substances required by EC Regulation 1907/2006 REACH

Substance Name	CAS
Decamethylcyclopentasiloxane	541-02-6
Octamethylcyclotetrasiloxane	556-67-2
Dodecamethylcyclohexasiloxane	540-97-6

❖ **REACH Regulation - HS GC/MS screening of volatile substances.**

Time	Temperature
30'	120°C

❖ **REACH Regulation - GC/MS screening of semi-volatile target substances in hexane extraction liquid**

❖ **REACH Regulation - HPLC-QTOF screening of nonvolatile target substances in ethanol extraction liquid**

❖ **Global migration according to Korea Standards**

Simulant	Time	Temperature
Water	2h	105°C
Acetic acid 4%	2h	105°C
Ethanol n-heptane	2h	105°C

❖ **Lead content according to Korea Standards**

❖ **Cadmium content according to Korea Standards**

❖ **Residue of 2-mercaptoimidazpoline (CAS 583-39-1) according to Korea Standards**

❖ **Residue of 1,2-butadiene (CAS 106-99-0) according to Korea Standards**



❖ Potassium Permanganate content according to Korea Standards.

❖ Specific migrations according to Brazilian legislation.

Substance Name	CAS
N-N-hydroxamines	-
N-Alkyl arylamines	-
Chloroprene	126-99-8
Butadiene	106-99-0
Diothiocarbamates, thioramides, xantho-geates	-
Formaldehyde	-

❖ Content of specific substances according to Brazilian legislation

Substance Name	CAS
Peroxides	-

❖ Total extractions according to Indonesian legislation

Test Item	Time	Temperature
Distilled water	7h	Reflux
Distilled water	+2h	-
n-hexane	7h	Reflux
n-hexane	+2h	-

❖ Specific migration under Indonesian law.

Substance Name	CAS
N-n-hydroxamines	-
N-nitrosatable substances	-



❖ Specific migrations under Dutch law

Substance Name	CAS
N-nitrosammines	-
N-nitrosable substances	-
Dithiocarbamates, thiourams, and -xanthogenates	-
Benzotriazole	95-14-7
Dibenzylamine	103-49-1

Sample Identified as: Travel Tumbler Steel, Interior

Material: Stainless Steel



❖ Specific release of heavy metals (Al, Sb, Cr, Co, Cu, Fe, Mg, Mn, Mo, Ni, Ag, Sn, Ti, V, Zn, As, Ba, Be, Cd, Pb, Li, Hg, Tl)

Simulant	Time	Temperature
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Artificial tap water	30'	100°C
Citric acid 5g/L	2h	70°C

❖ **Global Migration**

Simulant	Time	Temperature
Acetic acid 3%	30'	100 C

❖ **Specific Migration (Cr, Mn, Ni)**

Simulant	Time	Temperature
Acetic Acid 3%	30'	100 C

REACH Regulation - ICP-OES Screening of Heavy Metals

❖ **Specific migration of metals (Pb, Cd, Cr, Ni, As) according to Korea**