

Report No. A223009359910201

Company NameAQUAPHOR INTERNATIONAL OUshown on Report40231, ESTONIA, SILLAMAE, L.TOLSTOI 2A

The following sample(s) and sample information was/were submitted and identified by/on the behalf of				
the applicant				
Sample Name	RO-101S			
Part No.	RO-101S			
Quantity	3			
Manufacturer Name	Aquaphor-International OU			
Sample Received Date	Mar. 9, 2023			
Sample Resubmitted Date	May 29, 2023/May 31, 2023/Aug. 30, 2023			
Testing Period	Mar. 9, 2023 to Sep. 28, 2023			

#### **Test Conducted:**

As requested by the applicant. For details refer to next page(s).

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Hill Zheng Technical Manager Sep. 28, 2023 Contre Testing International Group Co.,Ltd. CTI Building, Ang Dorg Community, Xin'an Sub-district, Bao'an District, Shenzhen City, 4

Hua Cai Li

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Execu	tive Summary:	
<u>TEST</u>	REQUEST	<b>CONCLUSION</b>
1)	(EU) No 10/2011 Commission Regulation on plastic materials and articles intended	
	to come into contact with food and its amendments, and Regulation	
	(EC) No 1935/2004 of the European Parliament on materials and articles intended to	
	come into contact with food	
-	Overall migration	PASS
-	Specific migration of heavy metal <sup>#</sup>	PASS
-	Specific migration of primary aromatic amines <sup>#</sup>	PASS
-	Specific migration of formaldehyde <sup>#1</sup>	PASS
2)	Res AP(2004)4 Resolution on rubber products intended to come into contact with	
	foodstuffs, (EU) No 10/2011 Commission Regulation on plastic materials and	
	articles intended to come into contact with food and its amending directive	
	(EU) 2020/1245 and Regulation (EC) No 1935/2004 of the European Parliament on	
	materials and articles intended to come into contact with food	
-	Overall migration	PASS
-	Specific migration of primary aromatic amines <sup>#</sup>	PASS
-	N-nitrosamine	PASS
-	N-nitrosable substances	PASS
3)	Res AP(2004)5 Resolution on silicone used for food contact applications,	
	(EU) No 10/2011 Commission Regulation on plastic materials and articles intended	
	to come into contact with food and its amending directive (EU) 2020/1245 and	
	Regulation (EC) No 1935/2004 of the European Parliament on materials and articles	
	intended to come into contact with food	
-	Overall migration	PASS
4)	CM/Res(2013)9 Council of Europe Resolution on metals and alloys used in food	
	contact materials and articles, and Regulation (EC) No 1935/2004 of the European	
	Parliament on materials and articles intended to come into contact with food	
-	Specific migration of heavy metal	PASS
5)	Refer to 84/500/EEC & 2005/31/EC Council Directive 84/500/EEC on the	
	approximation of the laws of the Member States relating to ceramic articles intended	
	to come into contact with foodstuffs and its amending directive 2005/31/EC, and	
	Regulation (EC) No 1935/2004 of the European Parliament on materials and articles	
	intended to come into contact with food	
-	Extractable lead and cadmium	PASS
6)	LFGB §31	
-	Sensory analysis <sup>#</sup>	PASS

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7)	LFGB §30&31, Res AP(2004)4 Resolution on rubber products intended to come into	
,	contact with foodstuffs, (EU) No 10/2011 Commission Regulation on plastic	
	materials and articles intended to come into contact with food and its amending	
	directive (EU) 2020/1245 and Regulation (EC) No 1935/2004 of the European	
	Parliament on materials and articles intended to come into contact with food	
_	Overall migration	PASS
-	Specific migration of primary aromatic amines <sup>#</sup>	PASS
-	N-nitrosamine	PASS
-	N-nitrosable substances	PASS
8)	LFGB §30&31, BfR recommendation III Polyethylene, and Regulation	
	(EC) No 1935/2004 of the European Parliament on materials and articles intended to	
	come into contact with food	
-	Peroxide residues	PASS
-	Catalyst residues(Cr,V,Zr,Hf) <sup>#</sup>	PASS
9)	Refer to LFGB §30&31, BfR recommendation VI&L Styrene Copolymers and Graft	
	Polymers, and Mixtures of Polystyrene with other Polymers & Copolymers and	
	Graft Polymers of Acrylonitrile, and Regulation (EC) No 1935/2004 of the European	
	Parliament on materials and articles intended to come into contact with food	
-	Peroxide residues	PASS
10)	LFGB §30&31, BfR recommendation VII Polypropylene, and Regulation (EC) No	
	1935/2004 of the European Parliament on materials and articles intended to come	
	into contact with food	
-	Catalyst residues(Cr,V,Zr,Hf) <sup>#</sup>	PASS
11)	LFGB §30&31, BfR recommendation XV Silicones, and Regulation (EC) No	
	1935/2004 of the European Parliament on materials and articles intended to come	
	into contact with food	
-	Volatile Organic Matter(VOM) <sup>#</sup>	PASS
-	Peroxide residues	PASS
-	Extractable components <sup>#</sup>	PASS
12)	LFGB §30&31, BfR recommendation XXI/1 Commodities based on Natural and	
	Synthetic Rubber, and Regulation (EC) No 1935/2004 of the European Parliament	
	on materials and articles intended to come into contact with food	
-	Overall migration <sup>#1</sup>	PASS
-	Specific migration of formaldehyde <sup>#1</sup>	PASS
-	Specific migration of Aluminium <sup>#1</sup>	PASS
-	Specific migration of Lead <sup>#/#2</sup>	PASS
-	Specific migration of Zinc <sup>#1</sup>	PASS
-	Migration of N-nitrosamines	PASS
-	Specific migration of primary aromatic amines <sup>#/#2</sup>	PASS

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13)	LFGB §30&31, BfR recommendation XXXIII Acetal resi	ns, and Regulation
	(EC) No 1935/2004 of the European Parliament on materi	als and articles intended to
	come into contact with food	
-	Total Zinc(Zn) <sup>#</sup>	PASS
-	Boron(B) <sup>#</sup>	PASS
14)	Refer to LFGB §30&31, DIN 51032:2017 Ceramics, glass	s, glass
	ceramics-Permissible limits for the release of lead and cad	lmium from articles
	intended for use in contact with foodstuffs, and Regulation	n (EC) No 1935/2004 of
	the European Parliament on materials and articles intende	d to come into contact with
	food	
-	Extractable lead and cadmium	PASS
-	Cobalt(Co) <sup>#</sup>	PASS
15)	Refer to French décret 2007-766 with amendments, DGC	CRF Methodological
	Document Suitability for contact with inorganic materials	(excluding metals and
	alloys) intended to come into contact with foodstuffs, and	Regulation
	(EC) No 1935/2004 of the European Parliament on materi	als and articles intended to
	come into contact with food	
-	Migration of lead, cadmium, aluminum, arsenic and cobal	t <sup>#</sup> PASS
16)	Decree of 25 November 1992 relating to materials and ob	jects in silicone elastomers
	placed or intended to be put in contact with foodstuffs, foo	od products and beverages,
	and Regulation (EC) No 1935/2004 of the European Parlie	ament on materials and
	articles intended to come into contact with food	
-	Peroxide residues <sup>#</sup>	PASS
-	Volatile Organic Matter(VOM) <sup>#</sup>	PASS
-	Organic Tin(as Sn) <sup>#/#1</sup>	PASS
17)	French order of 5 August 2020 relating to rubber materials	s and objects intended to
	come into contact with foodstuffs and pacifiers for infants	and young children, and
	Regulation (EC) No 1935/2004 of the European Parliamer	nt on materials and articles
	intended to come into contact with food	
-	Overall migration <sup>#1</sup>	PASS
-	Specific migration of primary aromatic amines#/#2	PASS
-	Specific migration of formaldehyde <sup>#1</sup>	PASS
-	Volatile Organic Matter(VOM) <sup>#</sup>	PASS
-	Peroxide residues <sup>#</sup>	PASS
-	Specific migration of heavy metal <sup>#/#1</sup>	PASS
-	Heavy metal content <sup>#</sup>	PASS



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18)	DM 21/03/1973 Decreto Ministeriale del 21/03/1973 Hygiene rules on packagings,	
	containers, and utensils intended to come into contact with food substances or	
	substances for personal use, and Regulation (EC) No 1935/2004 of the European	
	Parliament on materials and articles intended to come into contact with food	
-	Overall migration <sup>#1</sup>	PASS
-	Specific migration of Ni, Cr(III), Mn <sup>##1</sup>	PASS
19)	French Décret 2007-766 with amendments and French Law 2012-1442 of 24 Dec	
	2012	
-	Bisphenol A (BPA)	PASS
20)	Refer to (EU) No 10/2011 Commission Regulation on plastic materials and articles	
	intended to come into contact with food and its amendments, and Regulation	
	(EC) No 1935/2004 of the European Parliament on materials and articles intended to	
	come into contact with food	
-	Overall migration	PASS
-	Specific migration of heavy metal#	PASS
-	Specific migration of primary aromatic amines#	PASS
21)	Refer to LFGB §30&31, BfR recommendation III Polyethylene, and Regulation	
	(EC) No 1935/2004 of the European Parliament on materials and articles intended to	
	come into contact with food	
-	Catalyst residues(Cr,V,Zr,Hf)#	PASS
22)	AfPS GS 2019:01 PAK, Category 1	
-	Polycyclic Aromatic Hydrocarbons (PAHs)	PASS
23)	Client's requirement	
-	Lead (Pb)	See test result(s)
-	Cadmium (Cd)	See test result(s)
-	Element analysis <sup>#</sup>	See test result(s)

PASS (FAIL) means that the results shown on the report (do not) comply with the required limits.



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### 1) (EU) No 10/2011 Commission Regulation on plastic materials and articles intended to come into contact with food and its amendments, and Regulation (EC) No 1935/2004 of the European Parliament on materials and articles intended to come into contact with food

#### ▼<u>Overall migration</u>

Test Method: EN 1186-3:2022

#### Food Simulant(s): 10% ethanol; Test Condition: 70°C, 2h

	Result					
Test Item(s)	001			MDL	Limit	Unit
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration			
Overall migration	N.D.	N.D.	N.D.	3.0	10	mg/dm²

#### Food Simulant(s): 10% ethanol; Test Condition: 70°C, 2h

	Result					
Test Item(s)	002			MDL	Limit	Unit
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration			
Overall migration	N.D.	N.D.	N.D.	3.0	10	mg/dm <sup>2</sup>

#### Food Simulant(s): 10% ethanol; Test Condition: 70°C, 2h

	Result					
Test Item(s)	004			MDL	Limit	Unit
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration			
Overall migration	N.D.	N.D.	N.D.	3.0	10	mg/dm²

#### Food Simulant(s): 10% ethanol; Test Condition: 70°C, 2h

	Result					
Test Item(s)	005			MDL	Limit	Unit
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration			
Overall migration	N.D.	N.D.	N.D.	3.0	10	mg/dm²

	Result					
Test Item(s)	012			MDL	Limit	Unit
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration			
Overall migration	N.D.	N.D.	N.D.	3.0	10	mg/dm²



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Test Method: BS EN 1186-3:2002 and/or BS EN 1186-9:2002

Food Simulant(s): 10% ethanol; Test Condition: 70°C, 2h

Test Item(s)	Result	MDI	Limit	Unit
	003	MDL	Linin	
Overall migration <sup>#1</sup>	N.D.	3.0	10	mg/dm²

#### ▼ Specific migration of heavy metal<sup>#</sup>

Test Method: BS EN 13130-1:2004, (EU) No 10/2011, US EPA 6010D:2018 and/or US EPA 6020B:2014

	Result					
Test Item(s)		001		MDL	Limit	Unit
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration	-		
Barium (Ba)	N.D.	N.D.	N.D.	0.1	1	mg/kg
Cobalt (Co)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Copper (Cu)	N.D.	N.D.	N.D.	1	5	mg/kg
Iron (Fe)	N.D.	N.D.	N.D.	1	48	mg/kg
Lithium (Li)	N.D.	N.D.	N.D.	0.1	0.6	mg/kg
Manganese (Mn)	N.D.	N.D.	N.D.	0.1	0.6	mg/kg
Zinc (Zn)	N.D.	N.D.	N.D.	1	5	mg/kg
Aluminium (Al)	N.D.	N.D.	N.D.	0.1	1	mg/kg
Nickel (Ni)	N.D.	N.D.	N.D.	0.01	0.02	mg/kg
Lead (Pb)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
Arsenic (As)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Chromium (Cr)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Antimony (Sb)	N.D.	N.D.	N.D.	0.01	0.04	mg/kg
Europium (Eu)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Gadolinium (Gd)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Lanthanum (La)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Terbium (Tb)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Europium+Gadolinium+ Lanthanum+Terbium (Eu+Gd+La+Tb)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg

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	Result					
Test Item(s)		002		MDL	Limit	Unit
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration			
Barium (Ba)	N.D.	N.D.	N.D.	0.1	1	mg/kg
Cobalt (Co)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Copper (Cu)	N.D.	N.D.	N.D.	1	5	mg/kg
Iron (Fe)	N.D.	N.D.	N.D.	1	48	mg/kg
Lithium (Li)	N.D.	N.D.	N.D.	0.1	0.6	mg/kg
Manganese (Mn)	N.D.	N.D.	N.D.	0.1	0.6	mg/kg
Zinc (Zn)	N.D.	N.D.	N.D.	1	5	mg/kg
Aluminium (Al)	N.D.	N.D.	N.D.	0.1	1	mg/kg
Nickel (Ni)	N.D.	N.D.	N.D.	0.01	0.02	mg/kg
Lead (Pb)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
Arsenic (As)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Chromium (Cr)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Antimony (Sb)	N.D.	N.D.	N.D.	0.01	0.04	mg/kg
Europium (Eu)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Gadolinium (Gd)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Lanthanum (La)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Terbium (Tb)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Europium+Gadolinium+						
Lanthanum+Terbium	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
(Eu+Gd+La+Tb)						

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	Result					
Test Item(s)		004		MDL	Limit	Unit
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration			
Barium (Ba)	N.D.	N.D.	N.D.	0.1	1	mg/kg
Cobalt (Co)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Copper (Cu)	N.D.	N.D.	N.D.	1	5	mg/kg
Iron (Fe)	N.D.	N.D.	N.D.	1	48	mg/kg
Lithium (Li)	N.D.	N.D.	N.D.	0.1	0.6	mg/kg
Manganese (Mn)	N.D.	N.D.	N.D.	0.1	0.6	mg/kg
Zinc (Zn)	N.D.	N.D.	N.D.	1	5	mg/kg
Aluminium (Al)	N.D.	N.D.	N.D.	0.1	1	mg/kg
Nickel (Ni)	N.D.	N.D.	N.D.	0.01	0.02	mg/kg
Lead (Pb)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
Arsenic (As)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Chromium (Cr)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Antimony (Sb)	N.D.	N.D.	N.D.	0.01	0.04	mg/kg
Europium (Eu)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Gadolinium (Gd)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Lanthanum (La)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Terbium (Tb)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Europium+Gadolinium+						
Lanthanum+Terbium	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
(Eu+Gd+La+Tb)						

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	Result					
Test Item(s)		005		MDL	Limit	Unit
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration	-		
Barium (Ba)	N.D.	N.D.	N.D.	0.1	1	mg/kg
Cobalt (Co)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Copper (Cu)	N.D.	N.D.	N.D.	1	5	mg/kg
Iron (Fe)	N.D.	N.D.	N.D.	1	48	mg/kg
Lithium (Li)	N.D.	N.D.	N.D.	0.1	0.6	mg/kg
Manganese (Mn)	N.D.	N.D.	N.D.	0.1	0.6	mg/kg
Zinc (Zn)	N.D.	N.D.	N.D.	1	5	mg/kg
Aluminium (Al)	N.D.	N.D.	N.D.	0.1	1	mg/kg
Nickel (Ni)	N.D.	N.D.	N.D.	0.01	0.02	mg/kg
Lead (Pb)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
Arsenic (As)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Chromium (Cr)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Antimony (Sb)	N.D.	N.D.	N.D.	0.01	0.04	mg/kg
Europium (Eu)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Gadolinium (Gd)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Lanthanum (La)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Terbium (Tb)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Europium+Gadolinium+						
Lanthanum+Terbium	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
(Eu+Gd+La+Tb)						

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Test Item(s)	012			MDL	Limit	Unit
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration			
Barium (Ba)	N.D.	N.D.	N.D.	0.1	1	mg/kg
Cobalt (Co)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Copper (Cu)	N.D.	N.D.	N.D.	1	5	mg/kg
Iron (Fe)	N.D.	N.D.	N.D.	1	48	mg/kg
Lithium (Li)	N.D.	N.D.	N.D.	0.1	0.6	mg/kg
Manganese (Mn)	N.D.	N.D.	N.D.	0.1	0.6	mg/kg
Zinc (Zn)	N.D.	N.D.	N.D.	1	5	mg/kg
Aluminium (Al)	N.D.	N.D.	N.D.	0.1	1	mg/kg
Nickel (Ni)	N.D.	N.D.	N.D.	0.01	0.02	mg/kg
Lead (Pb)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
Arsenic (As)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Chromium (Cr)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Antimony (Sb)	N.D.	N.D.	N.D.	0.01	0.04	mg/kg
Europium (Eu)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Gadolinium (Gd)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Lanthanum (La)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Terbium (Tb)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Europium+Gadolinium+						
Lanthanum+Terbium	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
(Eu+Gd+La+Tb)						



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#### Test Method: Refer to BS EN 13130-1:2004,(EU)No 10/2011,US EPA 6010D:2018

Test Item(s)	Result	MDI	Limit	Unit
Test Item(s)	003	MDL	LIIIII	Ont
Barium (Ba) <sup>#1</sup>	N.D.	0.1	1	mg/kg
Cobalt (Co) <sup>#1</sup>	N.D.	0.01	0.05	mg/kg
Copper (Cu) <sup>#1</sup>	N.D.	1	5	mg/kg
Iron (Fe) <sup>#1</sup>	N.D.	1	48	mg/kg
Lithium (Li) <sup>#1</sup>	N.D.	0.1	0.6	mg/kg
Manganese (Mn) <sup>#1</sup>	N.D.	0.1	0.6	mg/kg
Zinc (Zn) <sup>#1</sup>	N.D.	1	5	mg/kg
Aluminium (Al) <sup>#1</sup>	N.D.	0.1	1	mg/kg
Nickel (Ni) <sup>#1</sup>	N.D.	0.01	0.02	mg/kg



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#### ▼ Specific migration of primary aromatic amines<sup>#</sup>

Test Method: Immersing the sample with reference to BS EN 13130-1:2004 and analyzed by LC-MS-MS&UV

Test Item(s)	001			MDL	Limit	Unit
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration			
o-Toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2-Methoxyaniline (o-Anisidine) (o-A)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-chloroaniline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4,5-trimethylaniline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
6-methoxy-m-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-chloro-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
M-phenylenediamine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4-diaminotoluene (DAT)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4-diaminoanisole	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2-naphthylamine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
5-nitro-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-aminobiphenyl	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-aminoazobenzene	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-oxydianiline (EDA)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-Methylenedianiline (MDA)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
Benzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
o-aminoazotoluene (o-AAT)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-methylenedi-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-dimethylbenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-thiodianiline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-Dichlorobenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-Methylene-bis-(2- Chloroaniline)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-Dimethoxybenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
Aniline	N.D.	N.D.	N.D.	0.002		mg/kg
2,4-xylidine	N.D.	N.D.	N.D.	0.002		mg/kg
2,6-xylidine	N.D.	N.D.	N.D.	0.002		mg/kg
1,4-phenylendiamine	N.D.	N.D.	N.D.	0.002		mg/kg
2,6-Diaminotoluene (2,6-TDA)	N.D.	N.D.	N.D.	0.002		mg/kg
Total	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg

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Test Item(s)		002		MDL	Limit	Unit
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration	-		
o-Toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2-Methoxyaniline (o-Anisidine) (o-A)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-chloroaniline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4,5-trimethylaniline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
6-methoxy-m-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-chloro-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
M-phenylenediamine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4-diaminotoluene (DAT)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4-diaminoanisole	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2-naphthylamine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
5-nitro-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-aminobiphenyl	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-aminoazobenzene	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-oxydianiline (EDA)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-Methylenedianiline (MDA)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
Benzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
o-aminoazotoluene (o-AAT)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-methylenedi-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-dimethylbenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-thiodianiline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-Dichlorobenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-Methylene-bis-(2- Chloroaniline)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-Dimethoxybenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
Aniline	N.D.	N.D.	N.D.	0.002		mg/kg
2,4-xylidine	N.D.	N.D.	N.D.	0.002		mg/kg
2,6-xylidine	N.D.	N.D.	N.D.	0.002		mg/kg
1,4-phenylendiamine	N.D.	N.D.	N.D.	0.002		mg/kg
2,6-Diaminotoluene (2,6-TDA)	N.D.	N.D.	N.D.	0.002		mg/kg
Total	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg

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Test Item(s)	004			MDL	Limit	Unit
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration			
o-Toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2-Methoxyaniline (o-Anisidine) (o-A)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-chloroaniline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4,5-trimethylaniline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
6-methoxy-m-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-chloro-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
M-phenylenediamine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4-diaminotoluene (DAT)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4-diaminoanisole	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2-naphthylamine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
5-nitro-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-aminobiphenyl	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-aminoazobenzene	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-oxydianiline (EDA)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-Methylenedianiline (MDA)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
Benzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
o-aminoazotoluene (o-AAT)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-methylenedi-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-dimethylbenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-thiodianiline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-Dichlorobenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-Methylene-bis-(2- Chloroaniline)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-Dimethoxybenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
Aniline	N.D.	N.D.	N.D.	0.002		mg/kg
2,4-xylidine	N.D.	N.D.	N.D.	0.002		mg/kg
2,6-xylidine	N.D.	N.D.	N.D.	0.002		mg/kg
1,4-phenylendiamine	N.D.	N.D.	N.D.	0.002		mg/kg
2,6-Diaminotoluene (2,6-TDA)	N.D.	N.D.	N.D.	0.002		mg/kg
Total	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg

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Test Item(s)		005			Limit	Unit
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration	-		
o-Toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2-Methoxyaniline (o-Anisidine) (o-A)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-chloroaniline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4,5-trimethylaniline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
6-methoxy-m-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-chloro-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
M-phenylenediamine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4-diaminotoluene (DAT)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4-diaminoanisole	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2-naphthylamine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
5-nitro-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-aminobiphenyl	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-aminoazobenzene	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-oxydianiline (EDA)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-Methylenedianiline (MDA)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
Benzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
o-aminoazotoluene (o-AAT)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-methylenedi-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-dimethylbenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-thiodianiline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-Dichlorobenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-Methylene-bis-(2- Chloroaniline)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-Dimethoxybenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
Aniline	N.D.	N.D.	N.D.	0.002		mg/kg
2,4-xylidine	N.D.	N.D.	N.D.	0.002		mg/kg
2,6-xylidine	N.D.	N.D.	N.D.	0.002		mg/kg
1,4-phenylendiamine	N.D.	N.D.	N.D.	0.002		mg/kg
2,6-Diaminotoluene (2,6-TDA)	N.D.	N.D.	N.D.	0.002		mg/kg
Total	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg

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Test Item(s)		012			Limit	Unit
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration			
o-Toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2-Methoxyaniline (o-Anisidine) (o-A)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-chloroaniline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4,5-trimethylaniline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
6-methoxy-m-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-chloro-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
M-phenylenediamine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4-diaminotoluene (DAT)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4-diaminoanisole	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2-naphthylamine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
5-nitro-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-aminobiphenyl	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-aminoazobenzene	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-oxydianiline (EDA)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-Methylenedianiline (MDA)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
Benzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
o-aminoazotoluene (o-AAT)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-methylenedi-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-dimethylbenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-thiodianiline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-Dichlorobenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-Methylene-bis-(2- Chloroaniline)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-Dimethoxybenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
Aniline	N.D.	N.D.	N.D.	0.002		mg/kg
2,4-xylidine	N.D.	N.D.	N.D.	0.002		mg/kg
2,6-xylidine	N.D.	N.D.	N.D.	0.002		mg/kg
1,4-phenylendiamine	N.D.	N.D.	N.D.	0.002		mg/kg
2,6-Diaminotoluene (2,6-TDA)	N.D.	N.D.	N.D.	0.002		mg/kg
Total	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg



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Test Method: The sample was analyzed by Gas Chromatography Mass Spectrum (GC-MS) after solvent extraction

Food Simulant(s): 10% ethanol; Test Condition: 40°C, 24h

Test Item(s)	Result	MDI	Limit	Unit
Test tient(s)	003	MIDL		
Primary aromatic amines (PAA) <sup>#2</sup>	N.D.	0.01	Absent	mg/kg

Remark:

- The result of Specific migration of primary aromatic amines was received by analyzing the twenty primary aromatic amines in the table below.

List of Primary aromatic amines							
Items	CAS No.	Items	CAS No.				
4-Aminobiphenyl(4-ABP)	92-67-1	4,4-Methylenedi-o-toluidine (4,4'-MDoT)	838-88-0				
Aniline(ANL)	62-53-3	2-Methoxy-5-Methylaniline (2-M-5-MA)	120-71-8				
o-Anisidine(o-ASD)	90-04-0	m-Phenylenediamine(m-PDA)	108-45-2				
Benzidine(BNZ)	92-87-5	p-Phenylenediamine(p-PDA)	106-50-3				
4-Chloro-Aniline(4-CA)	106-47-8	4-Methoxy-m-phenylenediamine (4-M-mPDA)	615-05-4				
4-Chloro-o-Toluidine(4-CoT)	95-69-2	o-Toluidine(o-T)	95-53-4				
2,4-Dimethylaniline(2,4-DMA)	95-68-1	2,4-Toluenediamine(2,4-TDA)	95-80-7				
2,6-Dimethylaniline(2,6-DMA)	87-62-7	2,6-Toluenediamine(2,6-TDA)	823-40-5				
4,4-Diaminodiphenylether(4,4'-DPE)	101-80-4	3,3-Dimethylbenzidine(3,3-DMB)	119-93-7				
4,4'-Methylenedianiline(4,4'-MDA)	101-77-9	2,4,5-Trimethylaniline(2,4,5-TMA)	137-17-7				

#### ▼<u>Specific migration of formaldehyde</u><sup>#1</sup>

Test Method: BS EN 13130-1:2004, CEN/TS 13130-23:2005

Test Item(s)	Result	MDI	Limit	Unit
	003	MIDL	Linnt	Oint
Formaldehyde	1.2	0.5	15	mg/kg



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2) <u>Res AP(2004)4 Resolution on rubber products intended to come into contact with foodstuffs,</u> (EU) No 10/2011 Commission Regulation on plastic materials and articles intended to come into contact with food and its amending directive (EU) 2020/1245 and Regulation (EC) No 1935/2004 of the European Parliament on materials and articles intended to come into contact with food

#### ▼<u>Overall migration</u>

Test Method: EN 1186-3:2022

		Result				
Test Item(s)	006A				Limit	Unit
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration	_		
Overall migration	N.D.	N.D.	N.D.	3.0	10	mg/dm²



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#### ▼ Specific migration of primary aromatic amines<sup>#</sup>

Test Method: Immersing the sample with reference to BS EN 13130-1:2004 and analyzed by LC-MS-MS&UV

		Result				
Test Item(s)		006A		MDL	Limit	Unit
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration	-		
o-Toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2-Methoxyaniline (o-Anisidine) (o-A)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-chloroaniline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4,5-trimethylaniline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
6-methoxy-m-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-chloro-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
M-phenylenediamine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4-diaminotoluene (DAT)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4-diaminoanisole	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2-naphthylamine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
5-nitro-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-aminobiphenyl	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-aminoazobenzene	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-oxydianiline (EDA)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-Methylenedianiline (MDA)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
Benzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
o-aminoazotoluene (o-AAT)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-methylenedi-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-dimethylbenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-thiodianiline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-Dichlorobenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-Methylene-bis-(2- Chloroaniline)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-Dimethoxybenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
Aniline	N.D.	N.D.	N.D.	0.002		mg/kg
2,4-xylidine	N.D.	N.D.	N.D.	0.002		mg/kg
2,6-xylidine	N.D.	N.D.	N.D.	0.002		mg/kg
1,4-phenylendiamine	N.D.	N.D.	N.D.	0.002		mg/kg
2,6-Diaminotoluene (2,6-TDA)	N.D.	N.D.	N.D.	0.002		mg/kg
Total	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg

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### ▼<u>N-nitrosamine</u>

Test Method: EN 12868:2017

Test Item(c)	Result	MDI	Limit	Unit
lest hem(s)	006A	MIDL	Lillit	Omt
N-nitrosopyrrolidine (NPYR)	N.D.	0.01		mg/kg
N-nitroso N-methyl N-phenylamine (NMPhA)	N.D.	0.01		mg/kg
N-nitroso-N-ethyl-N-phenylamine (NEPhA)	N.D.	0.01		mg/kg
N-nitrosodibenzylamine (NDBzA)	N.D.	0.01		mg/kg
N-nitrosodipropylamine (NDPA)	N.D.	0.01		mg/kg
N-nitrosopiperidine (NPIP)	N.D.	0.01		mg/kg
N-nitrosodimethylamine	N.D.	0.01		mg/kg
N-nitrosodiethylamine (NDEA)	N.D.	0.01		mg/kg
N-nitrosodiisobutylamine (NDiBA)	N.D.	0.01		mg/kg
N-nitrosodiisononylamine (NDiNA)	N.D.	0.01		mg/kg
N-nitrosomorpholine (NMOR)	N.D.	0.01		mg/kg
N-nitrosodibutylamine (NDBA)	N.D.	0.01		mg/kg
SUM N-nitrosamines	N.D.		Absent	mg/kg

#### ▼<u>N-nitrosable substances</u>

Test Method: EN 12868:2017

Test Item(c)	Result	MDI	Limit	Unit
lest hem(s)	006A	MDL	Lillit	Oint
N-nitrosopyrrolidine (NPYR)	N.D.	0.1		mg/kg
N-nitroso N-methyl N-phenylamine (NMPhA)	N.D.	0.1		mg/kg
N-nitroso-N-ethyl-N-phenylamine (NEPhA)	N.D.	0.1		mg/kg
N-nitrosodibenzylamine (NDBzA)	N.D.	0.1		mg/kg
N-nitrosodipropylamine (NDPA)	N.D.	0.1		mg/kg
N-nitrosopiperidine (NPIP)	N.D.	0.1		mg/kg
N-nitrosodimethylamine	N.D.	0.1		mg/kg
N-nitrosodiethylamine (NDEA)	N.D.	0.1		mg/kg
N-nitrosodiisobutylamine (NDiBA)	N.D.	0.1		mg/kg
N-nitrosodiisononylamine (NDiNA)	N.D.	0.1		mg/kg
N-nitrosomorpholine (NMOR)	N.D.	0.1		mg/kg
N-nitrosodibutylamine (NDBA)	N.D.	0.1		mg/kg
SUM N-nitrosatable substances	N.D.		Absent	mg/kg



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3) <u>Res AP(2004)5 Resolution on silicone used for food contact applications, (EU) No 10/2011 Commission</u> <u>Regulation on plastic materials and articles intended to come into contact with food and its amending</u> <u>directive (EU) 2020/1245 and Regulation (EC) No 1935/2004 of the European Parliament on materials</u> <u>and articles intended to come into contact with food</u>

#### ▼<u>Overall migration</u>

Test Method: EN 1186-3:2022

		Result				
Test Item(s)		009	MDL	Limit	Unit	
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration			
Overall migration	N.D.	N.D.	N.D.	20.0	60	mg/kg



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# 4) <u>CM/Res(2013)9 Council of Europe Resolution on metals and alloys used in food contact materials and articles, and Regulation (EC) No 1935/2004 of the European Parliament on materials and articles intended to come into contact with food</u>

▼ <u>Specific migration of heavy metal</u>

Test Method: Refer to CM/Res(2013)9,(EU) No 10/2011,US EPA 6010D:2018,US EPA 6020B:2014

1 000 Dimulan(5). Milliolar	up water, rest c		, 2411			
	Sum (1 <sup>st</sup> +2 <sup>n</sup>	<sup>d</sup> Migration)	3 <sup>rd</sup> Mi	gration		
Test Item(s)	Result	<b>T</b> • •/	Result	<b>T</b> • •	MDL	Unit
	008	Limit	008	Limit		
Aluminium (Al)	N.D.	35	N.D.	5	0.1	mg/kg
Antimony (Sb)	N.D.	0.28	N.D.	0.04	0.01	mg/kg
Chromium (Cr)	N.D.	1.75	N.D.	0.25	0.1	mg/kg
Cobalt (Co)	N.D.	0.14	N.D.	0.02	0.01	mg/kg
Copper (Cu)	N.D.	28	N.D.	4	0.1	mg/kg
Iron (Fe)	N.D.	280	N.D.	40	1	mg/kg
Magnesium (Mg)	N.D.		N.D.		0.05	mg/kg
Manganese (Mn)	N.D.	12.6	N.D.	1.8	0.1	mg/kg
Molybdenum (Mo)	N.D.	0.84	N.D.	0.12	0.02	mg/kg
Nickel (Ni)	N.D.	0.98	N.D.	0.14	0.01	mg/kg
Silver (Ag)	N.D.	0.56	N.D.	0.08	0.05	mg/kg
Tin (Sn)	N.D.	700	N.D.	100	5	mg/kg
Titanium (Ti)	N.D.		N.D.		0.05	mg/kg
Vanadium (V)	N.D.	0.07	N.D.	0.01	0.005	mg/kg
Zinc (Zn)	N.D.	35	N.D.	5	1	mg/kg
Arsenic (As)	N.D.	0.014	N.D.	0.002	0.001	mg/kg
Barium (Ba)	N.D.	8.4	N.D.	1.2	0.1	mg/kg
Beryllium (Be)	N.D.	0.07	N.D.	0.01	0.005	mg/kg
Cadmium (Cd)	N.D.	0.035	N.D.	0.005	0.005	mg/kg
Lead (Pb)	N.D.	0.07	N.D.	0.01	0.01	mg/kg
Lithium (Li)	N.D.	0.336	N.D.	0.048	0.01	mg/kg
Mercury (Hg)	N.D.	0.021	N.D.	0.003	0.003	mg/kg
Thallium (Tl)	N.D.	0.0007	N.D.	0.0001	0.0001	mg/kg

Food Simulant(s): Artificial tap water; Test Condition: 40°C, 24h



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5) <u>Refer to 84/500/EEC & 2005/31/EC Council Directive 84/500/EEC on the approximation of the laws of</u> <u>the Member States relating to ceramic articles intended to come into contact with foodstuffs and its</u> <u>amending directive 2005/31/EC, and Regulation (EC) No 1935/2004 of the European Parliament on</u> <u>materials and articles intended to come into contact with food</u>

#### ▼ Extractable lead and cadmium

Test Method: Refer to 84/500/EEC&2005/31/EC

Test Item(s)		Re	sult		A	MDI	Reference	I Init
	011-1	011-2	011-3	011-4	Average	MDL	Limit	Unit
Surface area of sample	60	60	60	60				
(S)	00	00	00	00				CIII2
Extract volume (V)	100	100	100	100				mL
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.8	mg/dm²
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	0.01	0.07	mg/dm²

#### 6) <u>LFGB §31</u>

#### ▼<u>Sensory analysis</u><sup>#</sup>

Test Method: DIN 10955:2004

#### Food Simulant(s): Water; Test Condition: 40°C, 24h

Test Item(s)		Result		MDI	Limit	Unit
	001	002	003	MDL	Lillin	Unit
Sensory analysis (odor)	0	0	0		2.5	
Sensory analysis (taste)	0	0	0		2.5	

#### Food Simulant(s): Water; Test Condition: 40°C, 24h

Test Item(s)		Result		MDI	Limit	Unit
rest field(s)	004	005	006A	MDL	Lillin	Om
Sensory analysis (odor)	0	0	0		2.5	
Sensory analysis (taste)	0	0	0		2.5	

#### Food Simulant(s): Water; Test Condition: 40°C, 24h

Test Item(s)		Result		MDL Limit		Unit
	008	009	010B	MDL	Linnt	Unit
Sensory analysis (odor)	0	0	0		2.5	
Sensory analysis (taste)	0	0	0		2.5	



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Food Simulant(s): Water; Test Condition: 40°C, 24h

Test Item(s)	Result	MDI	Limit	Unit
	012	MIDL	Linnt	Unit
Sensory analysis (odor)	0		2.5	
Sensory analysis (taste)	0		2.5	

Note: Grade evaluation:

0= no discernible deviation

1= barely discernible deviation

2= weak deviation

3= clear deviation

4= strong deviation

### 7) LFGB §30&31, Res AP(2004)4 Resolution on rubber products intended to come into contact with foodstuffs, (EU) No 10/2011 Commission Regulation on plastic materials and articles intended to come into contact with food and its amending directive (EU) 2020/1245 and Regulation (EC) No 1935/2004 of the European Parliament on materials and articles intended to come into contact with food

#### ▼ Overall migration

Test Method: EN 1186-3:2022

	Result					
Test Item(s) 006A				MDL	Limit	Unit
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration			
Overall migration	N.D.	N.D.	N.D.	3.0	10	mg/dm²

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#### ▼ Specific migration of primary aromatic amines<sup>#</sup>

Test Method: Immersing the sample with reference to BS EN 13130-1:2004 and analyzed by LC-MS-MS&UV

Food Simulant(s): Water; Test Condition: 40°C, 24h

	Result					
Test Item(s)		006A		MDL	Limit	Unit
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration			
o-Toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2-Methoxyaniline (o-Anisidine) (o-A)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-chloroaniline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4,5-trimethylaniline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
6-methoxy-m-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-chloro-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
M-phenylenediamine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4-diaminotoluene (DAT)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4-diaminoanisole	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2-naphthylamine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
5-nitro-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-aminobiphenyl	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-aminoazobenzene	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-oxydianiline (EDA)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-Methylenedianiline (MDA)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
Benzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
o-aminoazotoluene (o-AAT)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-methylenedi-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-dimethylbenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-thiodianiline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-Dichlorobenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-Methylene-bis-(2- Chloroaniline)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-Dimethoxybenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
Aniline	N.D.	N.D.	N.D.	0.002		mg/kg
2,4-xylidine	N.D.	N.D.	N.D.	0.002		mg/kg
2,6-xylidine	N.D.	N.D.	N.D.	0.002		mg/kg
1,4-phenylendiamine	N.D.	N.D.	N.D.	0.002		mg/kg
2,6-Diaminotoluene (2,6-TDA)	N.D.	N.D.	N.D.	0.002		mg/kg
Total	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg

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### ▼<u>N-nitrosamine</u>

Test Method: EN 12868:2017

Test Item(s)	Result	MDI	Limit	Unit
	006A	MIDE	Linit	Oint
N-nitrosopyrrolidine (NPYR)	N.D.	0.01		mg/kg
N-nitroso N-methyl N-phenylamine (NMPhA)	N.D.	0.01		mg/kg
N-nitroso-N-ethyl-N-phenylamine (NEPhA)	N.D.	0.01		mg/kg
N-nitrosodibenzylamine (NDBzA)	N.D.	0.01		mg/kg
N-nitrosodipropylamine (NDPA)	N.D.	0.01		mg/kg
N-nitrosopiperidine (NPIP)	N.D.	0.01		mg/kg
N-nitrosodimethylamine	N.D.	0.01		mg/kg
N-nitrosodiethylamine (NDEA)	N.D.	0.01		mg/kg
N-nitrosodiisobutylamine (NDiBA)	N.D.	0.01		mg/kg
N-nitrosodiisononylamine (NDiNA)	N.D.	0.01		mg/kg
N-nitrosomorpholine (NMOR)	N.D.	0.01		mg/kg
N-nitrosodibutylamine (NDBA)	N.D.	0.01		mg/kg
SUM N-nitrosamines	N.D.		Absent	mg/kg

#### ▼<u>N-nitrosable substances</u>

Test Method: EN 12868:2017

Tast Itam(s)	Result	MDI	Limit	Unit
Test Item(s)	006A	MDL	Lillit	Om
N-nitrosopyrrolidine (NPYR)	N.D.	0.1		mg/kg
N-nitroso N-methyl N-phenylamine (NMPhA)	N.D.	0.1		mg/kg
N-nitroso-N-ethyl-N-phenylamine (NEPhA)	N.D.	0.1		mg/kg
N-nitrosodibenzylamine (NDBzA)	N.D.	0.1		mg/kg
N-nitrosodipropylamine (NDPA)	N.D.	0.1		mg/kg
N-nitrosopiperidine (NPIP)	N.D.	0.1		mg/kg
N-nitrosodimethylamine	N.D.	0.1		mg/kg
N-nitrosodiethylamine (NDEA)	N.D.	0.1		mg/kg
N-nitrosodiisobutylamine (NDiBA)	N.D.	0.1		mg/kg
N-nitrosodiisononylamine (NDiNA)	N.D.	0.1		mg/kg
N-nitrosomorpholine (NMOR)	N.D.	0.1		mg/kg
N-nitrosodibutylamine (NDBA)	N.D.	0.1		mg/kg
SUM N-nitrosatable substances	N.D.		Absent	mg/kg



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### 8) <u>LFGB §30&31, BfR recommendation III Polyethylene, and Regulation (EC) No 1935/2004 of the</u> <u>European Parliament on materials and articles intended to come into contact with food</u>

#### ▼ <u>Peroxide residues</u>

Test Method: 58th Communication on testing of plastics in Bundesgesundheitsbl. 40 (1997) 412

Test Item(s)	Result			MDI	Limit	Unit
rest nem(s)	004	005	012	WIDL	Linnt	Oint
Peroxide value	Negative	Negative	Negative		Negative	

#### ▼ <u>Catalyst residues(Cr,V,Zr,Hf)</u><sup>#</sup>

Test Method: Refer to US EPA 3052:1996 & US EPA 6010D:2018

Test Item(s)	Result			MDI	Limit	Unit
	004	005	012	IVIDL	Linit	Oint
Chromium (Cr)	N.D.	N.D.	N.D.	2	10	mg/kg
Vanadium (V)	N.D.	N.D.	N.D.	2	20	mg/kg
Zirconium (Zr)	N.D.	N.D.	N.D.	2	100	mg/kg
Hafnium (Hf)	N.D.	N.D.	N.D.	2	100	mg/kg

9) <u>Refer to LFGB §30&31, BfR recommendation VI&L Styrene Copolymers and Graft Polymers, and</u> <u>Mixtures of Polystyrene with other Polymers & Copolymers and Graft Polymers of Acrylonitrile, and</u> <u>Regulation (EC) No 1935/2004 of the European Parliament on materials and articles intended to come</u> <u>into contact with food</u>

#### ▼ Peroxide residues

Test Method: Refer to 58th Communication on testing of plastics in Bundesgesundheitsbl. 40 (1997) 412

Test Item(s)	Result	MDI	Reference	Unit
	010B		Limit	Onit
Peroxide value	Negative		Negative	



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### 10) <u>LFGB §30&31, BfR recommendation VII Polypropylene, and Regulation (EC) No 1935/2004 of the</u> <u>European Parliament on materials and articles intended to come into contact with food</u>

#### ▼ <u>Catalyst residues(Cr,V,Zr,Hf)</u><sup>#</sup>

Test Method: Refer to US EPA 3052:1996 & US EPA 6010D:2018

Test Item(s)	Res	sult	MDI	Limit	Unit
	001	002		Linnt	
Chromium (Cr)	N.D.	7	2	10	mg/kg
Vanadium (V)	N.D.	N.D.	2	20	mg/kg
Zirconium (Zr)	N.D.	8	2	100	mg/kg
Hafnium (Hf)	N.D.	N.D.	2	100	mg/kg

#### 11) <u>LFGB §30&31, BfR recommendation XV Silicones, and Regulation (EC) No 1935/2004 of the</u> <u>European Parliament on materials and articles intended to come into contact with food</u>

#### ▼ <u>Volatile Organic Matter(VOM)</u><sup>#</sup>

Test Method: With reference to BfR "Determination of volatile compounds in silicone consumer products"

#### Test Condition: 200°C, 4h

Test Item(s)	Result	MDI	Limit	Unit
	009	MDL		
Volatile organic matter (VOM)	0.48	0.05	0.5	%

#### ▼ Peroxide residues

Test Method: 58th Communication on testing of plastics in Bundesgesundheitsbl. 40 (1997) 412

Test Item(s)	Result	MDI	Limit	Unit
	009	MDL		
Peroxide value	Negative		Negative	

#### ▼ Extractable components<sup>#</sup>

Test Method: 12.Mitteilung, Untersubchung von Bedarfsgegenstanden aus

Silicon-Elastomeren(Bundesgesundheitsblatt), 61st Communication on testing of plastics in

Bundesgesundheitsblatt, Gesundheitsforschung, Gesundheitsschutz 46(2003)362

Food Simulant(s): Water; Test Condition: Reflux temperature, 5h

Test Item(s)	Result	MDI	Limit	Unit
	009	MDL		
Extractable components	N.D.	0.10	0.5	%



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Food Simulant(s): 3% acetic acid; Test Condition: Reflux temperature, 5h

Test Item(s)	Result	MDI	Limit	Unit
	009	MIDL		
Extractable components	N.D.	0.10	0.5	%

Food Simulant(s): 10% ethanol; Test Condition: Reflux temperature, 5h

Test Item(s)	Result	MDI	Limit	Unit
	009	WIDL	Linit	
Extractable components	N.D.	0.10	0.5	%

### 12) LFGB §30&31, BfR recommendation XXI/1 Commodities based on Natural and Synthetic Rubber, and Regulation (EC) No 1935/2004 of the European Parliament on materials and articles intended to come into contact with food

#### ▼ Overall migration<sup>#1</sup>

Test Method: BS EN 1186-3:2002 and/or BS EN 1186-9:2002

Food Simulant(s): 10% ethanol; Test Condition: 70°C, 2h

Test Item(s)	Result	MDI	Limit	Unit
	006A	MIDL	Linnt	Onit
Overall migration	N.D.	3.0	10	mg/dm²

#### ▼ Specific migration of formaldehyde<sup>#1</sup>

Test Method: BS EN 13130-1:2004, CEN/TS 13130-23:2005

Food Simulant(s): 10% ethanol; Test Condition: 40°C, 24h

Test Item(s)	Result	MDI	Limit	Unit
	006A	WIDL	Linnt	Onit
Formaldehyde	N.D.	0.5	3	mg/L

#### ▼ Specific migration of Aluminium<sup>#1</sup>

Test Method: Refer to BS EN 13130-1:2004,(EU)No 10/2011,US EPA 6010D:2018

Test Item(s)	Result	MDI	Limit	Unit
	006A			
Aluminium (Al)	N.D.	0.1	1	mg/kg



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#### ▼ Specific migration of Lead<sup>#/#2</sup>

Test Method: Refer to BS EN 13130-1:2004,(EU)No 10/2011,US EPA 6010D:2018

Food Simulant(s): 10% ethanol; Test Condition: 40°C, 24h

Test Item(s)	Result	MDI	Limit	Unit
	006A	WIDL	Linit	
Lead (Pb)	N.D.	0.01	Absent	mg/kg

#### ▼ Specific migration of Zinc<sup>#1</sup>

Test Method: Refer to BS EN 13130-1:2004,(EU)No 10/2011,US EPA 6010D:2018

Food Simulant(s): 10% ethanol; Test Condition: 40°C, 24h

Test Item(s)	Result	MDI	Limit	Unit
	006A	MIDL	Linnt	
Zinc (Zn)	N.D.	0.1	25	mg/kg

#### ▼<u>Migration of N-nitrosamines</u>

Test Method: EN 12868:2017

#### Food Simulant(s): Water; Test Condition: 40°C, 24h

Tast Itam(s)	Result	MDI	Limit	Unit
rest tiem(s)	006A	MDL	Lillit	Unit
N-nitrosodibutylamine (NDBA)	N.D.	1		µg/dm²
N-nitrosodibenzylamine (NDBzA)	N.D.	1		µg/dm²
N-nitrosodiethylamine (NDEA)	N.D.	1		µg/dm²
N-nitrosodiisobutylamine (NDiBA)	N.D.	1		µg/dm²
N-nitrosodiisononylamine (NDiNA)	N.D.	1		µg/dm²
N-nitrosodimethylamine	N.D.	1		µg/dm²
N-nitrosodipropylamine (NDPA)	N.D.	1		µg/dm²
N-nitroso-N-ethyl-N-phenylamine (NEPhA)	N.D.	1		µg/dm²
N-nitrosomorpholine (NMOR)	N.D.	1		µg/dm²
N-nitroso N-methyl N-phenylamine (NMPhA)	N.D.	1		µg/dm²
N-nitrosopiperidine (NPIP)	N.D.	1		µg/dm²
N-nitrosopyrrolidine (NPYR)	N.D.	1		µg/dm²
SUM N-nitrosamines	N.D.	1	Absent	µg/dm²

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#### ▼ Specific migration of primary aromatic amines<sup>#/#2</sup>

Test Method: Immersing the sample with reference to BS EN 13130-1:2004 and analyzed by LC-MS-MS&UV

Food Simulant(s): Water; Test Condition: 40°C, 24h

	Result	MDI	<b>T</b> · · ·	I In: 4	
Test Item(s)	006A	– MDL	Limit	Unit	
o-Toluidine	N.D.	0.002	N.D.	mg/kg	
2-Methoxyaniline (o-Anisidine) (o-A)	N.D.	0.002	N.D.	mg/kg	
4-chloroaniline	N.D.	0.002	N.D.	mg/kg	
2,4,5-trimethylaniline	N.D.	0.002	N.D.	mg/kg	
6-methoxy-m-toluidine	N.D.	0.002	N.D.	mg/kg	
4-chloro-o-toluidine	N.D.	0.002	N.D.	mg/kg	
M-phenylenediamine	N.D.	0.002	N.D.	mg/kg	
2,4-diaminotoluene (DAT)	N.D.	0.002	N.D.	mg/kg	
2,4-diaminoanisole	N.D.	0.002	N.D.	mg/kg	
2-naphthylamine	N.D.	0.002	N.D.	mg/kg	
5-nitro-o-toluidine	N.D.	0.002	N.D.	mg/kg	
4-aminobiphenyl	N.D.	0.002	N.D.	mg/kg	
4-aminoazobenzene	N.D.	0.002	N.D.	mg/kg	
4,4'-oxydianiline (EDA)	N.D.	0.002	N.D.	mg/kg	
4,4'-Methylenedianiline (MDA)	N.D.	0.002	N.D.	mg/kg	
Benzidine	N.D.	0.002	N.D.	mg/kg	
o-aminoazotoluene (o-AAT)	N.D.	0.002	N.D.	mg/kg	
4,4'-methylenedi-o-toluidine	N.D.	0.002	N.D.	mg/kg	
3,3'-dimethylbenzidine	N.D.	0.002	N.D.	mg/kg	
4,4'-thiodianiline	N.D.	0.002	N.D.	mg/kg	
3,3'-Dichlorobenzidine	N.D.	0.002	N.D.	mg/kg	
4,4'-Methylene-bis-(2-Chloroaniline)	N.D.	0.002	N.D.	mg/kg	
3,3'-Dimethoxybenzidine	N.D.	0.002	N.D.	mg/kg	
Aniline	N.D.	0.002		mg/kg	
2,4-xylidine	N.D.	0.002		mg/kg	
2,6-xylidine	N.D.	0.002		mg/kg	
1,4-phenylendiamine	N.D.	0.002		mg/kg	
2,6-Diaminotoluene (2,6-TDA)	N.D.	0.002		mg/kg	
Total	N.D.	0.01	N.D.	mg/kg	



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### 13) LFGB §30&31, BfR recommendation XXXIII Acetal resins, and Regulation (EC) No 1935/2004 of the European Parliament on materials and articles intended to come into contact with food

#### ▼ <u>Total Zinc(Zn)</u><sup>#</sup>

Test Method: Refer to US EPA 3052:1996 & US EPA 6010D:2018

Test Item(s)	Result	MDI	I imit	Unit
	003	IVIDL	Linnt	Omt
Zinc (Zn)	N.D.	0.001	1.0	%

#### ▼<u>Boron(B)</u>#

Test Method: Acid digestion, followed by analysis using Inductively Coupled Plasma-Optical Emission Spectroscopy (ICP-OES)

Test Item(s)	Result	MDI	Limit	Unit
	003	MDL	Linnt	
Boron (B)	N.D.	0.002	0.008	%

14) <u>Refer to LFGB §30&31, DIN 51032:2017 Ceramics, glass, glass ceramics-Permissible limits for the</u> release of lead and cadmium from articles intended for use in contact with foodstuffs, and Regulation (EC) No 1935/2004 of the European Parliament on materials and articles intended to come into contact with food

#### ▼ Extractable lead and cadmium

Test Method: Refer to BS EN 1388-1:1996

Test Item(s)	Result				<b>A</b>	MDI	Reference	I Init
Test ttem(s)	011-1	011-2	011-3	011-4	Average	MDL	Limit	Unit
Surface area of sample	60	60	60	60				om²
(S)	60	00	00	00				CIII2
Extract volume (V)	100	100	100	100				mL
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.8	mg/dm²
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	0.01	0.07	mg/dm²

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#### ▼ <u>Cobalt(Co)</u>#

Test Method: Refer to BS EN 1388-1:1996

Test Item(s)	Result			Avorago	MDI	Reference	Unit	
Test ttell(s)	em(s) 011-1 011-2 011-3	011-3	011-4	Average	MDL	Limit	Unit	
Extract volume (V)	100	100	100	100				mL
Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	0.05	0.1	mg/kg

15) <u>Refer to French décret 2007-766 with amendments, DGCCRF Methodological Document Suitability</u> for contact with inorganic materials (excluding metals and alloys) intended to come into contact with foodstuffs, and Regulation (EC) No 1935/2004 of the European Parliament on materials and articles intended to come into contact with food

#### ▼<u>Migration of lead, cadmium, aluminum, arsenic and cobalt</u><sup>#</sup>

Test Method: With reference to French décret 2007-766 with amendments, DGCCRF Methodological Document Suitability for contact with inorganic materials (excluding metals and alloys) intended to come into contact with foodstuffs, the sample was analyzed by Inductively Coupled Plasma-Optical Emission Spectrometer(ICP-OES), Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)

Test Item(s)		Re	sult		Avanaga	MDI	Reference	
Test tient(s)	011-1	011-2	011-3	011-4	Average	MDL	Limit	Unit
Surface area of sample	60	60	60	60				?
(S)	00	00	00	00				cm <sup>2</sup>
Extract volume (V)	100	100	100	100				mL
Lead (Pb) <sup>#2</sup>	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	4.0	mg/L
Cadmium (Cd)#2	N.D.	N.D.	N.D.	N.D.	N.D.	0.01	0.3	mg/L
Aluminium (Al)#1	0.5	0.5	0.5	0.5	0.5	0.1	1	mg/kg
Arsenic (As) <sup>#1</sup>	N.D.	N.D.	N.D.	N.D.	N.D.	0.002	0.002	mg/kg
Cobalt (Co) <sup>#1</sup>	N.D.	N.D.	N.D.	N.D.	N.D.	0.01	0.02	mg/kg



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16) Decree of 25 November 1992 relating to materials and objects in silicone elastomers placed or intended to be put in contact with foodstuffs, food products and beverages, and Regulation (EC) No 1935/2004 of the European Parliament on materials and articles intended to come into contact with food

#### ▼ Peroxide residues<sup>#</sup>

Test Method: French pharmacopoeia, Xth edition

Test Item(s)	Result	MDI	Limit	Unit
rest tient(s)	009	MDL		Oint
Peroxide value	Negative		Negative	

#### ▼ <u>Volatile Organic Matter(VOM)</u><sup>#</sup>

Test Method: Decree of November 25, 1992

Test Item(s)	Result	MDI	Limit	Unit
	009			Om
Volatile organic matter (VOM)	0.46	0.05	0.5	%

#### ▼ Organic Tin(as Sn)<sup>#/#1</sup>

Test Method: After immersing the sample with reference to BS EN 13130-1:2004, analysis using Inductively Coupled Plasma-Mass Spectrometry(ICP-MS)

Food Simulant(s): 10% ethanol; Test Condition: 40°C, 24h

Test Item(s)	Result	MDI	Limit	Unit
	009	IVIDL	Linit	
Tin (Sn)	N.D.	0.01	0.1	mg/kg

17) French order of 5 August 2020 relating to rubber materials and objects intended to come into contact with foodstuffs and pacifiers for infants and young children, and Regulation (EC) No 1935/2004 of the European Parliament on materials and articles intended to come into contact with food

#### ▼ Overall migration<sup>#1</sup>

Test Method: BS EN 1186-3:2002 and/or BS EN 1186-9:2002

Test Item(s)	Result	MDI	Limit	Unit
Test tien(s)	006A		Linit	
Overall migration	N.D.	3.0	10	mg/dm²



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#### ▼ Specific migration of primary aromatic amines<sup>#/#2</sup>

Test Method: Immersing the sample with reference to BS EN 13130-1:2004 and analyzed by LC-MS-MS&UV

	Result	MDI	T :	I.I:4
Test Item(s)	006A	MDL	Limit	Unit
o-Toluidine	N.D.	0.002	N.D.	mg/kg
2-Methoxyaniline (o-Anisidine) (o-A)	N.D.	0.002	N.D.	mg/kg
4-chloroaniline	N.D.	0.002	N.D.	mg/kg
2,4,5-trimethylaniline	N.D.	0.002	N.D.	mg/kg
6-methoxy-m-toluidine	N.D.	0.002	N.D.	mg/kg
4-chloro-o-toluidine	N.D.	0.002	N.D.	mg/kg
M-phenylenediamine	N.D.	0.002	N.D.	mg/kg
2,4-diaminotoluene (DAT)	N.D.	0.002	N.D.	mg/kg
2,4-diaminoanisole	N.D.	0.002	N.D.	mg/kg
2-naphthylamine	N.D.	0.002	N.D.	mg/kg
5-nitro-o-toluidine	N.D.	0.002	N.D.	mg/kg
4-aminobiphenyl	N.D.	0.002	N.D.	mg/kg
4-aminoazobenzene	N.D.	0.002	N.D.	mg/kg
4,4'-oxydianiline (EDA)	N.D.	0.002	N.D.	mg/kg
4,4'-Methylenedianiline (MDA)	N.D.	0.002	N.D.	mg/kg
Benzidine	N.D.	0.002	N.D.	mg/kg
o-aminoazotoluene (o-AAT)	N.D.	0.002	N.D.	mg/kg
4,4'-methylenedi-o-toluidine	N.D.	0.002	N.D.	mg/kg
3,3'-dimethylbenzidine	N.D.	0.002	N.D.	mg/kg
4,4'-thiodianiline	N.D.	0.002	N.D.	mg/kg
3,3'-Dichlorobenzidine	N.D.	0.002	N.D.	mg/kg
4,4'-Methylene-bis-(2-Chloroaniline)	N.D.	0.002	N.D.	mg/kg
3,3'-Dimethoxybenzidine	N.D.	0.002	N.D.	mg/kg
Aniline	N.D.	0.002		mg/kg
2,4-xylidine	N.D.	0.002		mg/kg
2,6-xylidine	N.D.	0.002		mg/kg
1,4-phenylendiamine	N.D.	0.002		mg/kg
2,6-Diaminotoluene (2,6-TDA)	N.D.	0.002		mg/kg
Total	N.D.	0.01	N.D.	mg/kg



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#### ▼ Specific migration of formaldehyde<sup>#1</sup>

Test Method: BS EN 13130-1:2004, CEN/TS 13130-23:2005

Food Simulant(s): 10% ethanol; Test Condition: 40°C, 24h

Test Item(s)	Result	MDI	Limit	Unit
Test tien(s)	006A		Linit	Om
Formaldehyde	N.D.	0.5	3	mg/kg

#### ▼ <u>Volatile Organic Matter(VOM)</u><sup>#</sup>

Test Method: French order of 5 August 2020 relating to rubber materials and objects intended to come into contact with foodstuffs and pacifiers for infants and young children-Annex VI

Test Item(s)	Result	MDI	Limit	∐nit
	006A	MIDL	Linnt	Oint
Volatile organic matter (VOM)	0.20	0.05	0.5	%

#### ▼ Peroxide residues<sup>#</sup>

Test Method: French pharmacopoeia, Xth edition

Test Item(s)	Result	MDI	Limit	Unit
	006A	MIDL		Oint
Peroxide value	Negative		Negative	

#### ▼ Specific migration of heavy metal<sup>#/#1</sup>

Test Method: Refer to BS EN 13130-1:2004,(EU)No 10/2011,US EPA 6010D:2018

#### Food Simulant(s): 10% ethanol; Test Condition: 40°C, 24h

Test Item(s)	Result	MDI	Limit	Unit
rest tient(s)	006A	MIDL	Linnt	Oint
Barium (Ba)	N.D.	0.1	1.2	mg/kg
Copper (Cu)	N.D.	1	4	mg/kg
Zinc (Zn)	N.D.	1	5	mg/kg
Aluminium (Al)	N.D.	0.1	1	mg/kg

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#### ▼ Heavy metal content<sup>#</sup>

Test Method: Refer to US EPA 3052:1996 & US EPA 6010D:2018

Test Item(s)	Result	MDI	Limit	Unit
rest tient(s)	006A		Linnt	Oint
Lead (Pb)	N.D.	1	1	mg/kg
Cadmium (Cd)	N.D.	1	1	mg/kg
Antimony (Sb)	N.D.	1	1	mg/kg
Mercury (Hg)	N.D.	1	1	mg/kg
Arsenic (As)	N.D.	1	1	mg/kg

### 18) DM 21/03/1973 Decreto Ministeriale del 21/03/1973 Hygiene rules on packagings, containers, and utensils intended to come into contact with food substances or substances for personal use, and Regulation (EC) No 1935/2004 of the European Parliament on materials and articles intended to come into contact with food

#### ▼ Overall migration<sup>#1</sup>

Test Method: BS EN 1186-3:2002 and/or BS EN 1186-9:2002

Food Simulant(s): Water; Test Condition: 100°C, 30min

Test Item(s)	Result	MDI	MDL Limit	Unit
Test tem(s)	008	MIDL		
Overall migration	6.2	3.0	8	mg/dm²

#### ▼ Specific migration of Ni, Cr(III), Mn<sup>#/#1</sup>

Test Method: Ministry Decree of 21-3-1973 and its amendments DECRETO 6 agosto 2015, n. 195

Food Simulant(s): Water; Test Condition: 100°C, 30min

Test Item(s)	Result	MDI	Limit	Unit
Test hem(s)	008	WIDL	Linnt	Unit
Nickel (Ni)	N.D.	0.05	0.1	mg/kg
Trivalent Chromium (Cr(III))	N.D.	0.05	0.1	mg/kg
Manganese (Mn)	N.D.	0.05	0.1	mg/kg

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#### 19) French Décret 2007-766 with amendments and French Law 2012-1442 of 24 Dec 2012

#### ▼ Bisphenol A (BPA)

Refer to method(s) US EPA 3550C:2007 & US EPA 8321B:2007, and the item(s) was/were analyzed by LC-MS-MS.

Test Item(s)		Result		MDI	Limit	Unit
Test tem(s)	001	002	003	MIDL	Linnt	
Bisphenol A (BPA)	N.D.	N.D.	N.D.	0.10	Prohibited	mg/kg

Test Item(s)		Result		MDI	Limit	∐nit
Test Item(s)	004	005	006A		Linnt	Onit
Bisphenol A (BPA)	N.D.	N.D.	N.D.	0.10	Prohibited	mg/kg

Test Item(s)	Result			MDI	Limit	Unit
Test Itelli(s)	009	010B	012	MDL	LIIIII	Omt
Bisphenol A (BPA)	N.D.	N.D.	N.D.	0.10	Prohibited	mg/kg

### 20) <u>Refer to (EU) No 10/2011 Commission Regulation on plastic materials and articles intended to come</u> <u>into contact with food and its amendments, and Regulation (EC) No 1935/2004 of the European</u> <u>Parliament on materials and articles intended to come into contact with food</u>

#### ▼ Overall migration

Test Method: Refer to EN 1186-3:2022

	Result				Reference	
Test Item(s)	010B				Limit	Unit
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration		Linnt	
Overall migration	N.D.	N.D.	N.D.	3.0	10	mg/dm <sup>2</sup>



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### ▼ <u>Specific migration of heavy metal</u><sup>#</sup>

Test Method: Refer to BS EN 13130-1:2004, (EU) No 10/2011, US EPA 6010D:2018 and/or US EPA 6020B:2014

	Result				Defenence	
Test Item(s)	010B				Limit	Unit
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration		LIIIII	
Barium (Ba)	N.D.	N.D.	N.D.	0.1	1	mg/kg
Cobalt (Co)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Copper (Cu)	N.D.	N.D.	N.D.	1	5	mg/kg
Iron (Fe)	N.D.	N.D.	N.D.	1	48	mg/kg
Lithium (Li)	N.D.	N.D.	N.D.	0.1	0.6	mg/kg
Manganese (Mn)	N.D.	N.D.	N.D.	0.1	0.6	mg/kg
Zinc (Zn)	N.D.	N.D.	N.D.	1	5	mg/kg
Aluminium (Al)	N.D.	N.D.	N.D.	0.1	1	mg/kg
Nickel (Ni)	N.D.	N.D.	N.D.	0.01	0.02	mg/kg
Lead (Pb)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
Arsenic (As)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Chromium (Cr)	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg
Antimony (Sb)	N.D.	N.D.	N.D.	0.01	0.04	mg/kg
Europium (Eu)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Gadolinium (Gd)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Lanthanum (La)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Terbium (Tb)	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
Europium+Gadolinium+						
Lanthanum+Terbium	N.D.	N.D.	N.D.	0.01	0.05	mg/kg
(Eu+Gd+La+Tb)						

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#### ▼ Specific migration of primary aromatic amines<sup>#</sup>

Test Method: Immersing the sample with reference to BS EN 13130-1:2004 and analyzed by LC-MS-MS&UV

			Reference			
Test Item(s)		010B		MDL	Limit	Unit
	1 <sup>st</sup> migration	2 <sup>nd</sup> migration	3 <sup>rd</sup> migration	-	Linnt	
o-Toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2-Methoxyaniline (o-Anisidine) (o-A)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-chloroaniline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4,5-trimethylaniline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
6-methoxy-m-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-chloro-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
M-phenylenediamine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4-diaminotoluene (DAT)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2,4-diaminoanisole	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
2-naphthylamine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
5-nitro-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-aminobiphenyl	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4-aminoazobenzene	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-oxydianiline (EDA)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-Methylenedianiline (MDA)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
Benzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
o-aminoazotoluene (o-AAT)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-methylenedi-o-toluidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-dimethylbenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-thiodianiline	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-Dichlorobenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
4,4'-Methylene-bis-(2- Chloroaniline)	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
3,3'-Dimethoxybenzidine	N.D.	N.D.	N.D.	0.002	N.D.	mg/kg
Aniline	N.D.	N.D.	N.D.	0.002		mg/kg
2,4-xylidine	N.D.	N.D.	N.D.	0.002		mg/kg
2,6-xylidine	N.D.	N.D.	N.D.	0.002		mg/kg
1,4-phenylendiamine	N.D.	N.D.	N.D.	0.002		mg/kg
2,6-Diaminotoluene (2,6-TDA)	N.D.	N.D.	N.D.	0.002		mg/kg
Total	N.D.	N.D.	N.D.	0.01	N.D.	mg/kg



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### 21) <u>Refer to LFGB §30&31, BfR recommendation III Polyethylene, and Regulation (EC) No 1935/2004 of</u> <u>the European Parliament on materials and articles intended to come into contact with food</u>

#### ▼ <u>Catalyst residues(Cr,V,Zr,Hf)</u><sup>#</sup>

Test Method: Refer to US EPA 3052:1996 & US EPA 6010D:2018

Test Item(s)	Result	MDI	Reference	Unit
Test hem(s)	010B	MIDL	Limit	Unit
Chromium (Cr)	N.D.	2	10	mg/kg
Vanadium (V)	N.D.	2	20	mg/kg
Zirconium (Zr)	N.D.	2	100	mg/kg
Hafnium (Hf)	N.D.	2	100	mg/kg

#### 22) AfPS GS 2019:01 PAK, Category 1

#### ▼ <u>Polycyclic Aromatic Hydrocarbons (PAHs)</u>

Test Method: AfPS GS 2019:01 PAK, and the item(s) was/were analyzed by GC-MS.

Tested Item(a)	Res	MDI	
rested item(s)	A2230093599101001A	A2230093599101002	MDL
Polycyclic Aromatic Hydrocarbons (PA	AHs)		
Naphthalene	N.D.	N.D.	0.2 mg/kg
Phenanthrene	N.D.	N.D.	0.2 mg/kg
Anthracene	N.D.	N.D.	0.2 mg/kg
Fluoranthene	N.D.	N.D.	0.2 mg/kg
Pyrene	N.D.	N.D.	0.2 mg/kg
Chrysene	N.D.	N.D.	0.2 mg/kg
Benzo(a)anthracene	N.D.	N.D.	0.2 mg/kg
Benzo(b)fluoranthene	N.D.	N.D.	0.2 mg/kg
Benzo(k)fluoranthene	N.D.	N.D.	0.2 mg/kg
Benzo(j)fluoranthene	N.D.	N.D.	0.2 mg/kg
Benzo(a)pyrene	N.D.	N.D.	0.2 mg/kg
Benzo(e)pyrene	N.D.	N.D.	0.2 mg/kg
Dibenzo(a,h)anthracene	N.D.	N.D.	0.2 mg/kg
Benzo(g,h,i)perylene	N.D.	N.D.	0.2 mg/kg
Indeno(1,2,3-cd)pyrene	N.D.	N.D.	0.2 mg/kg
Sum (Phenanthrene, Anthracene,	ND	ND	/
Fluoranthene, Pyrene)	N.D.	IN.D.	/
Sum 15 PAHs	N.D.	N.D.	/



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Maximum PAHs limits (mg/kg) for the materials with relevant contact/grip and operating surfaces that are to be categorised based on the results of the risk assessment

	Category 1	Catego	ry 2	Catego	ory 3
Parameters	Materials intended to be placed in the mouth, or materials in toys according to Directive 2009/48/EC or materials for the use	Materials not covered by category 1, coming into long-term contact (more than 30s) or short-term repetitive contact** with skin during the intended or foreseeable useMateria category 2, comin contact skin during foreseeable use		Materials not category 1 nor 2, coming into contact (up to skin during the foreseeab	covered by by category o short-term o 30s) with intended or ble use
	by children up to 3 years of age coming into long-term contact with skin (more than 30s) during the intended use	Use by children (< 14 years) (include both active and passive direct contact)	Other consumer products	Use by children (< 14 years) (include both active and passive direct contact)	Other consumer products
Benzo(a)pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(e)pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(a)anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(b)fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(j)fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(k)fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenz(a,h)anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(g,h,i)perylene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indenol(1,2,3-cd)pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Phenanthrene, Anthracene, Fluoranthene, Pyrene	< 1 Sum	< 5 Sum	< 10 Sum	< 20 Sum	< 50 Sum
Naphthalene	< 1	<1 <2 <10		0	
Sum 15 PAHs	< 1	< 5	< 10	< 20	< 50

\*\* Definition "short-term repetitive contact" taken from REACH Annex XVII entry 50 amendment (REGULATION (EU) No.1272/2013)



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#### 23) **Client's requirement**

#### ▼ Lead (Pb)

Test Method: Refer to US EPA 3052:1996 & US EPA 6010D:2018, and the item(s) was/were analyzed by ICP-OES.

Tested Item(s)	Result	MDI	
rested hem(s)	A2230093599101002	WIDL	
Lead (Pb)	N.D.	2 mg/kg	

#### ▼ <u>Cadmium (Cd)</u>

Test Method: Refer to US EPA 3052:1996 & US EPA 6010D:2018, and the item(s) was/were analyzed by ICP-OES.

Tested Item(s)	Result	MDL	
rested hem(s)	A2230093599101002		
Cadmium (Cd)	N.D.	2 mg/kg	



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#### ▼<u>Element analysis</u><sup>#</sup>

#### 1. Test Equipment

Equipment Name	Model	
Inductively Coupled Plasma – Optical Emission	A gilent 5100	
Spectroscopy(ICP-OES)	Agnent 5100	

#### **2. Test Standard:** SN/T 2718-2010

#### 3. Test Result(s)

Test Item	Content (%)
	A2230136635101001
Chromium(Cr)	18.02
Copper(Cu)	0.0645
Molybdenum(Mo)	0.0237
Aluminum(Al)	<0.0010
Titanium(Ti)	<0.0010
Tantalum(Ta)	<0.0100
Niobium(Nb)	<0.0100
Zirconium(Zr)	<0.0100

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Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- 001&002&004:Total immersion method was used and the area-volume ratio (S/V) of overall migration is 10.0 dm<sup>2</sup>/L, the area-volume ratio (S/V) of other migration is  $1.20 \text{ dm}^2/0.200 \text{ L}$ . 003:Total immersion method was used and the area-volume ratio (S/V) of overall migration is 10.0 dm<sup>2</sup>/L, the area-volume ratio (S/V) of other migration is  $1.98 \text{ dm}^2/0.330 \text{ L}$ . 005:Total immersion method was used and the area-volume ratio (S/V) of overall migration is 10.0 dm<sup>2</sup>/L, the area-volume ratio (S/V) of other migration is 0.94 dm<sup>2</sup>/ 0.157 L. 006A:Total immersion method was used and the area-volume ratio (S/V) of overall migration is 10.0 dm<sup>2</sup>/L, the area-volume ratio (S/V) of other migration is 0.60 dm<sup>2</sup>/ 0.100 L. 008:Total immersion method was used and the area-volume ratio (S/V) of overall migration is 10.0 dm<sup>2</sup>/L, the area-volume ratio (S/V) of other migration is  $0.38 \text{ dm}^2/0.034 \text{ L}$ . 009:Total immersion method was used and the area-volume ratio (S/V) of overall migration is 10.0 dm<sup>2</sup>/L, the area-volume ratio (S/V) of other migration is 0.69 dm<sup>2</sup>/ 0.114 L. 010B:Total immersion method was used and the area-volume ratio (S/V) of overall migration is 10.0 dm<sup>2</sup>/L, the area-volume ratio (S/V) of other migration is  $1.10 \text{ dm}^2/0.184 \text{ L}$ . 011:Total immersion method was used. 012:Total immersion method was used and the area-volume ratio (S/V) of overall migration is 10.0 dm<sup>2</sup>/L, the area-volume ratio (S/V) of other migration is 0.67 dm<sup>2</sup>/ 0.112 L.
- <sup>#1</sup> = The migration test result(s) was(were) based on the migration test of the third time.
- <sup>#2</sup> = The migration test result(s) was(were) based on the migration test of the first time.
- The sample with A and B in 'CTI Sample ID' is the improved one instead of the original submitted sample.



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#### Sample/Part Description

No.	CTI Sample ID	Description
1	001	White plastic
2	002	Beige white plastic
3	003	White plastic
4	004	Transparent plastic
5	005	Red plastic
6	006A	Black rubber
7	008	Silvery metal
8	009	Transparent silicone rubber
9	010B	Black solid
10	011	Natural dolomite
11	012	Blue plastic
12	A2230093599101001A	Black soft plastic
13	A2230093599101002	Translucent silicone rubber
14	A2230136635101001	See the sample photo for your information

Note:

- <sup>#</sup>indicates the item(s) is (are) not in CMA accreditation scope. The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

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### Photo(s) of the sample(s)

Final Product















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31 32 33 34 35 36 37 38 39 41 42 43 44 45 46 47 48 49 51 52 53 54 55 56 57 58 59 61 62 63 64 65 66 67 60

A2230093599102008

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СТІ

60

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### **Test Report**

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10 21 22 23 24 25 28 27 26 28 11 21 21 CTI 10 CTI 20 30

A2230136635101001

Statement:

- This report is considered invalid without approved signature, special seal and the seal on the perforation; 1.
- 2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
- The result(s) shown in this report refer(s) only to the sample(s) tested; 3.
- 4. Without written approval of CTI, this report can't be reproduced except in full;
- 5. In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

\*\*\* End of Report \*\*\*



