

TEST REPORT

Report No.: SZ211006969R1EN

Report Date: 2021/12/30

Applicant GBX-Guangzhou
Address 13A11 Yian Plaza, No.33, JiansheLiu Road, Yuexiu District, Guangzhou 510060, China

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client.

Sample Description 6959255
Style No. 8143511
Colors Multi
Color Code Multi
Buyer Newlook
End Uses Handbag
Sample Received Date: 2021/12/13
Test Period: 2021/1213-2021/12/23

Overall Rating
Pass

Note: The testing report replaced the original report of No. SZ211006969EN and the original one No. SZ211006969EN was invalid since the date of this testing report released.



Approved by Vargas
Vargas He
Lab Director



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Test Item(s)		Conclusion
1	pH Value in non-leather	Pass
2	Formaldehyde in non-leather	Pass
3	Extractable heavy metal in textiles (adult)	Pass
4	Nickel release content for direct skin contact (coated metal)	Pass
5	Total Cadmium (Cd) in non-leather (adult)	Pass
6	Total lead content in non-metal materials	Pass
7	Total lead content in metal materials	Pass
8	PCP,TeCP,TriCP	Pass
9	Polycyclic aromatic hydrocarbons (PAHs) for skin contact	Pass
10	Disperse dyes and other forbidden dyes	Pass
11	Azo dyes in non-leather	Pass
12	Quinoline	Pass
13	Phthalates	Pass
14	Chlorinated benzenes and Toluenes	Pass
15	Chlorinated paraffins	Pass
16	Solvents residuals-DMFa,DMAC,NMP	Pass
17	Alkylphenols (APs),Alkylphenol ethoxylates (APEOs)	Pass
18	Organotin compounds	Pass

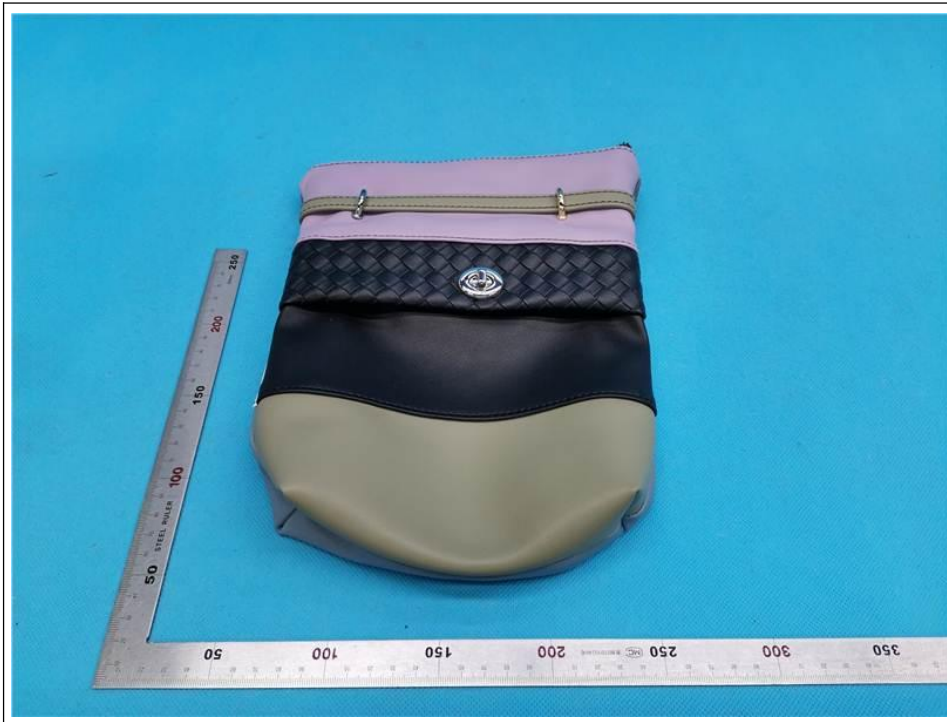
***** For Further Details, Please Refer To the Following Page(s) *****

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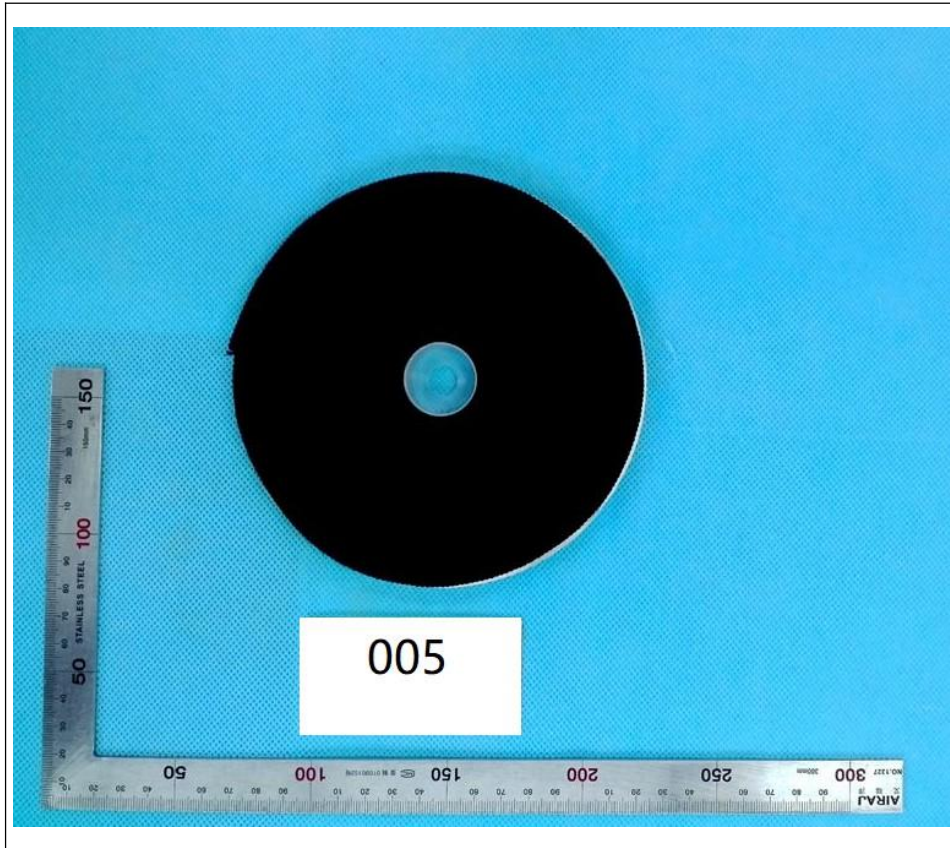
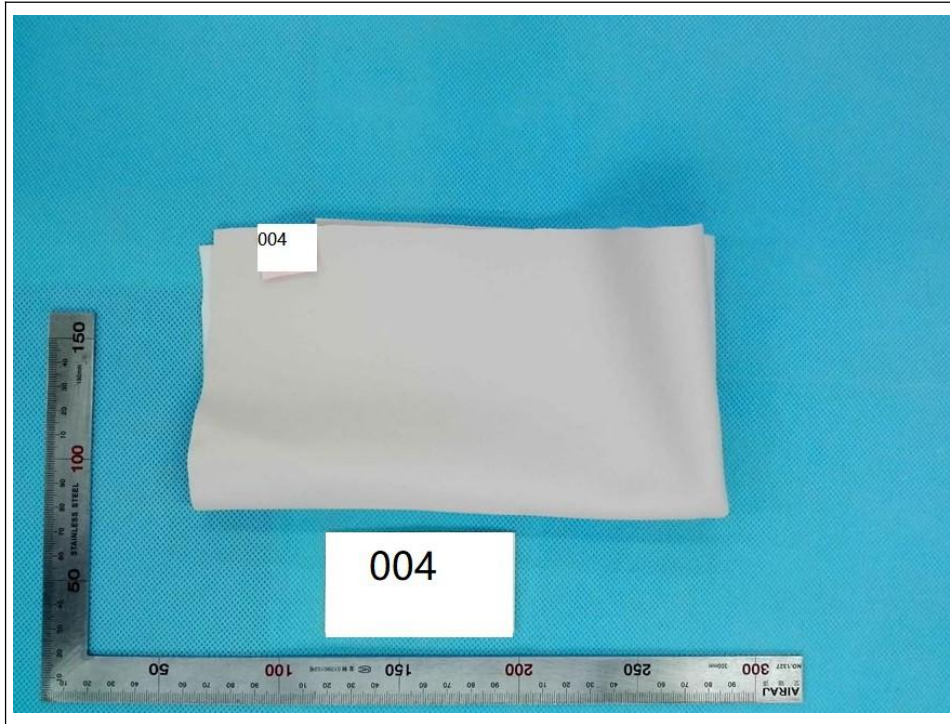
Photo of Sample



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Tested Sample/Part Description

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Sample No.	Tested Sample/Part Description
001	Lilac synthetic leather (upper)
002	Black braid synthetic leather (upper)
003	Black synthetic leather (upper)
004	Light pink synthetic leather (material)
005	Black webbing (material)
006	Silver metal (upper lock)
007	White synthetic leather (upper)
008	Light blue synthetic leather (upper)
009	White fabric (lining)
010	Black fabric (material)
011	Dark grey fabric (material)
012	Black fabric (upper zipper tape)
013	White fabric (upper zipper tape)
014	Grey fabric (upper zipper tape)
015	Black fabric (lining zipper tape)
016	White fabric (lining zipper tape)
017	Black plastic with silver coating (upper zipper teeth)
018	Black plastic (lining zipper teeth)
019	Translucent plastic (lining zipper teeth)
020	Silver metal (upper zipper head)
021	Silver metal (upper zipper slider)
022	Silver metal (upper zipper puller)
023	Gold metal (lining zipper head)
024	Gold metal (lining zipper slider)
025	Gold metal (lining zipper puller)
026	Silver metal (lining zipper head)
027	Silver metal (lining zipper slider)
028	Silver metal (lining zipper puller)
029	Silver metal (upper plate)
030	Gold metal (upper arch)
031	Silver metal (upper arch)

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032	Gold metal (upper lock)
033	Gold metal (screw of lock)
034	Gold metal (cap of lock box)
035	Gold metal (base of lock box)
036	Gold metal (lock pin)
037	Gold metal (knob of lock)
038	Silver metal (knob of lock)
039	Silver metal (screw of lock)
040	Silver metal (cap of lock box)
041	Silver metal (base of lock box)
042	Silver metal (lock pin)

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1.pH Value in non-leather

Test method:ISO 3071:2020

Test Item(s)	Result(s)		Requirement
	001	002	
pH Value	7.3	7.3	4.0-7.5
Conclusion	Pass	Pass	/

Test Item(s)	Result(s)		Requirement
	003	005	
pH Value	7.3	6.9	4.0-7.5
Conclusion	Pass	Pass	/

Test Item(s)	Result(s)		Requirement
	007	008	
pH Value	7.4	7.1	4.0-7.5
Conclusion	Pass	Pass	/

Test Item(s)	Result(s)		Requirement
	009	010	
pH Value	6.9	7.2	4.0-7.5
Conclusion	Pass	Pass	/

Test Item(s)	Result(s)		Requirement
	011	012	
pH Value	7.0	6.4	4.0-7.5
Conclusion	Pass	Pass	/

Test Item(s)	Result(s)		Requirement
	013	014	
pH Value	7.3	6.5	4.0-7.5
Conclusion	Pass	Pass	/

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Test Item(s)	Result(s)		Requirement
	015	016	
pH Value	7.2	6.4	4.0-7.5
Conclusion	Pass	Pass	/

2. Formaldehyde in non-leather

Test method: EN ISO 14184-1:2011

Test Item(s)	Result(s)		MDL	Requirement
	001+002+003	004		
Formaldehyde(mg/kg)	N.D.	N.D.	16	≤75
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	005	007+008		
Formaldehyde(mg/kg)	N.D.	N.D.	16	≤75
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	009+013+016	010+011+012		
Formaldehyde(mg/kg)	N.D.	N.D.	16	≤75
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	014+015			
Formaldehyde(mg/kg)	N.D.		16	≤75
Conclusion	Pass		/	/

Note: N.D. = Not detected, MDL = Method detection limit

3. Extractable heavy metal in textiles (adult)

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Test method: DIN EN 16711-2:2016

Test Item(s)	Result(s)		MDL	Requirement
	001	002		
Extractable Antimony (Sb)(mg/kg)	N.D.	N.D.	1.0	≤30
Extractable Arsenic (As)(mg/kg)	N.D.	N.D.	0.1	≤0.2
Extractable Barium (Ba)(mg/kg)	N.D.	N.D.	100	≤1000
Extractable Cadmium (Cd)(mg/kg)	N.D.	N.D.	0.08	≤0.1
Extractable Chromium (Cr)(mg/kg)	N.D.	N.D.	0.16	≤2
Extractable Cobalt (Co)(mg/kg)	N.D.	N.D.	0.16	≤4
Extractable Copper (Cu)(mg/kg)	N.D.	N.D.	1.0	≤50
Extractable Lead (Pb)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Mercury (Hg)(mg/kg)	N.D.	N.D.	0.005	≤0.02
Extractable Nickel (Ni)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Selenium (Se)(mg/kg)	N.D.	N.D.	10	≤500
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	003	004		
Extractable Antimony (Sb)(mg/kg)	N.D.	N.D.	1.0	≤30
Extractable Arsenic (As)(mg/kg)	N.D.	N.D.	0.1	≤0.2
Extractable Barium (Ba)(mg/kg)	N.D.	N.D.	100	≤1000
Extractable Cadmium (Cd)(mg/kg)	N.D.	N.D.	0.08	≤0.1
Extractable Chromium (Cr)(mg/kg)	N.D.	N.D.	0.16	≤2
Extractable Cobalt (Co)(mg/kg)	N.D.	N.D.	0.16	≤4
Extractable Copper (Cu)(mg/kg)	N.D.	N.D.	1.0	≤50
Extractable Lead (Pb)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Mercury (Hg)(mg/kg)	N.D.	N.D.	0.005	≤0.02
Extractable Nickel (Ni)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Selenium (Se)(mg/kg)	N.D.	N.D.	10	≤500
Conclusion	Pass	Pass	/	/

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Test Item(s)	Result(s)		MDL	Requirement
	005	007		
Extractable Antimony (Sb)(mg/kg)	N.D.	N.D.	1.0	≤30
Extractable Arsenic (As)(mg/kg)	N.D.	N.D.	0.1	≤0.2
Extractable Barium (Ba)(mg/kg)	N.D.	N.D.	100	≤1000
Extractable Cadmium (Cd)(mg/kg)	N.D.	N.D.	0.08	≤0.1
Extractable Chromium (Cr)(mg/kg)	N.D.	N.D.	0.16	≤2
Extractable Cobalt (Co)(mg/kg)	N.D.	N.D.	0.16	≤4
Extractable Copper (Cu)(mg/kg)	N.D.	N.D.	1.0	≤50
Extractable Lead (Pb)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Mercury (Hg)(mg/kg)	N.D.	N.D.	0.005	≤0.02
Extractable Nickel (Ni)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Selenium (Se)(mg/kg)	N.D.	N.D.	10	≤500
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	008	009		
Extractable Antimony (Sb)(mg/kg)	4.5	N.D.	1.0	≤30
Extractable Arsenic (As)(mg/kg)	N.D.	N.D.	0.1	≤0.2
Extractable Barium (Ba)(mg/kg)	N.D.	N.D.	100	≤1000
Extractable Cadmium (Cd)(mg/kg)	N.D.	N.D.	0.08	≤0.1
Extractable Chromium (Cr)(mg/kg)	N.D.	N.D.	0.16	≤2
Extractable Cobalt (Co)(mg/kg)	N.D.	N.D.	0.16	≤4
Extractable Copper (Cu)(mg/kg)	N.D.	N.D.	1.0	≤50
Extractable Lead (Pb)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Mercury (Hg)(mg/kg)	N.D.	N.D.	0.005	≤0.02
Extractable Nickel (Ni)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Selenium (Se)(mg/kg)	N.D.	N.D.	10	≤500
Conclusion	Pass	Pass	/	/

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Test Item(s)	Result(s)		MDL	Requirement
	010	011		
Extractable Antimony (Sb)(mg/kg)	N.D.	N.D.	1.0	≤30
Extractable Arsenic (As)(mg/kg)	N.D.	N.D.	0.1	≤0.2
Extractable Barium (Ba)(mg/kg)	N.D.	N.D.	100	≤1000
Extractable Cadmium (Cd)(mg/kg)	N.D.	N.D.	0.08	≤0.1
Extractable Chromium (Cr)(mg/kg)	N.D.	N.D.	0.16	≤2
Extractable Cobalt (Co)(mg/kg)	N.D.	N.D.	0.16	≤4
Extractable Copper (Cu)(mg/kg)	N.D.	N.D.	1.0	≤50
Extractable Lead (Pb)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Mercury (Hg)(mg/kg)	N.D.	N.D.	0.005	≤0.02
Extractable Nickel (Ni)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Selenium (Se)(mg/kg)	N.D.	N.D.	10	≤500
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	012	013		
Extractable Antimony (Sb)(mg/kg)	N.D.	N.D.	1.0	≤30
Extractable Arsenic (As)(mg/kg)	N.D.	N.D.	0.1	≤0.2
Extractable Barium (Ba)(mg/kg)	N.D.	N.D.	100	≤1000
Extractable Cadmium (Cd)(mg/kg)	N.D.	N.D.	0.08	≤0.1
Extractable Chromium (Cr)(mg/kg)	N.D.	N.D.	0.16	≤2
Extractable Cobalt (Co)(mg/kg)	N.D.	N.D.	0.16	≤4
Extractable Copper (Cu)(mg/kg)	N.D.	N.D.	1.0	≤50
Extractable Lead (Pb)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Mercury (Hg)(mg/kg)	N.D.	N.D.	0.005	≤0.02
Extractable Nickel (Ni)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Selenium (Se)(mg/kg)	N.D.	N.D.	10	≤500
Conclusion	Pass	Pass	/	/

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Test Item(s)	Result(s)		MDL	Requirement
	014	015		
Extractable Antimony (Sb)(mg/kg)	N.D.	N.D.	1.0	≤30
Extractable Arsenic (As)(mg/kg)	N.D.	N.D.	0.1	≤0.2
Extractable Barium (Ba)(mg/kg)	N.D.	N.D.	100	≤1000
Extractable Cadmium (Cd)(mg/kg)	N.D.	N.D.	0.08	≤0.1
Extractable Chromium (Cr)(mg/kg)	N.D.	N.D.	0.16	≤2
Extractable Cobalt (Co)(mg/kg)	N.D.	N.D.	0.16	≤4
Extractable Copper (Cu)(mg/kg)	N.D.	N.D.	1.0	≤50
Extractable Lead (Pb)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Mercury (Hg)(mg/kg)	N.D.	N.D.	0.005	≤0.02
Extractable Nickel (Ni)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Selenium (Se)(mg/kg)	N.D.	N.D.	10	≤500
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	016	017		
Extractable Antimony (Sb)(mg/kg)	N.D.	N.D.	1.0	≤30
Extractable Arsenic (As)(mg/kg)	N.D.	N.D.	0.1	≤0.2
Extractable Barium (Ba)(mg/kg)	N.D.	N.D.	100	≤1000
Extractable Cadmium (Cd)(mg/kg)	N.D.	N.D.	0.08	≤0.1
Extractable Chromium (Cr)(mg/kg)	N.D.	N.D.	0.16	≤2
Extractable Cobalt (Co)(mg/kg)	N.D.	N.D.	0.16	≤4
Extractable Copper (Cu)(mg/kg)	N.D.	N.D.	1.0	≤50
Extractable Lead (Pb)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Mercury (Hg)(mg/kg)	N.D.	N.D.	0.005	≤0.02
Extractable Nickel (Ni)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Selenium (Se)(mg/kg)	N.D.	N.D.	10	≤500
Conclusion	Pass	Pass	/	/

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Test Item(s)	Result(s)		MDL	Requirement
	018	019		
Extractable Antimony (Sb)(mg/kg)	N.D.	N.D.	1.0	≤30
Extractable Arsenic (As)(mg/kg)	N.D.	N.D.	0.1	≤0.2
Extractable Barium (Ba)(mg/kg)	N.D.	N.D.	100	≤1000
Extractable Cadmium (Cd)(mg/kg)	N.D.	N.D.	0.08	≤0.1
Extractable Chromium (Cr)(mg/kg)	N.D.	N.D.	0.16	≤2
Extractable Cobalt (Co)(mg/kg)	N.D.	N.D.	0.16	≤4
Extractable Copper (Cu)(mg/kg)	N.D.	N.D.	1.0	≤50
Extractable Lead (Pb)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Mercury (Hg)(mg/kg)	N.D.	N.D.	0.005	≤0.02
Extractable Nickel (Ni)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Selenium (Se)(mg/kg)	N.D.	N.D.	10	≤500
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	021	022		
Extractable Antimony (Sb)(mg/kg)	N.D.	N.D.	1.0	≤30
Extractable Arsenic (As)(mg/kg)	N.D.	N.D.	0.1	≤0.2
Extractable Barium (Ba)(mg/kg)	N.D.	N.D.	100	≤1000
Extractable Cadmium (Cd)(mg/kg)	N.D.	N.D.	0.08	≤0.1
Extractable Chromium (Cr)(mg/kg)	N.D.	N.D.	0.16	≤2
Extractable Cobalt (Co)(mg/kg)	N.D.	N.D.	0.16	≤4
Extractable Copper (Cu)(mg/kg)	N.D.	N.D.	1.0	≤50
Extractable Lead (Pb)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Mercury (Hg)(mg/kg)	N.D.	N.D.	0.005	≤0.02
Extractable Nickel (Ni)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Selenium (Se)(mg/kg)	N.D.	N.D.	10	≤500
Conclusion	Pass	Pass	/	/

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Test Item(s)	Result(s)		MDL	Requirement
	024	025		
Extractable Antimony (Sb)(mg/kg)	N.D.	N.D.	1.0	≤30
Extractable Arsenic (As)(mg/kg)	N.D.	N.D.	0.1	≤0.2
Extractable Barium (Ba)(mg/kg)	N.D.	N.D.	100	≤1000
Extractable Cadmium (Cd)(mg/kg)	N.D.	N.D.	0.08	≤0.1
Extractable Chromium (Cr)(mg/kg)	N.D.	N.D.	0.16	≤2
Extractable Cobalt (Co)(mg/kg)	N.D.	N.D.	0.16	≤4
Extractable Copper (Cu)(mg/kg)	N.D.	N.D.	1.0	≤50
Extractable Lead (Pb)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Mercury (Hg)(mg/kg)	N.D.	N.D.	0.005	≤0.02
Extractable Nickel (Ni)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Selenium (Se)(mg/kg)	N.D.	N.D.	10	≤500
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	027	028		
Extractable Antimony (Sb)(mg/kg)	N.D.	N.D.	1.0	≤30
Extractable Arsenic (As)(mg/kg)	N.D.	N.D.	0.1	≤0.2
Extractable Barium (Ba)(mg/kg)	N.D.	N.D.	100	≤1000
Extractable Cadmium (Cd)(mg/kg)	N.D.	N.D.	0.08	≤0.1
Extractable Chromium (Cr)(mg/kg)	N.D.	N.D.	0.16	≤2
Extractable Cobalt (Co)(mg/kg)	N.D.	N.D.	0.16	≤4
Extractable Copper (Cu)(mg/kg)	6.0	N.D.	1.0	≤50
Extractable Lead (Pb)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Mercury (Hg)(mg/kg)	N.D.	N.D.	0.005	≤0.02
Extractable Nickel (Ni)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Selenium (Se)(mg/kg)	N.D.	N.D.	10	≤500
Conclusion	Pass	Pass	/	/

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Test Item(s)	Result(s)		MDL	Requirement
	029	030		
Extractable Antimony (Sb)(mg/kg)	N.D.	N.D.	1.0	≤30
Extractable Arsenic (As)(mg/kg)	N.D.	N.D.	0.1	≤0.2
Extractable Barium (Ba)(mg/kg)	N.D.	N.D.	100	≤1000
Extractable Cadmium (Cd)(mg/kg)	N.D.	N.D.	0.08	≤0.1
Extractable Chromium (Cr)(mg/kg)	N.D.	N.D.	0.16	≤2
Extractable Cobalt (Co)(mg/kg)	N.D.	N.D.	0.16	≤4
Extractable Copper (Cu)(mg/kg)	N.D.	N.D.	1.0	≤50
Extractable Lead (Pb)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Mercury (Hg)(mg/kg)	N.D.	N.D.	0.005	≤0.02
Extractable Nickel (Ni)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Selenium (Se)(mg/kg)	N.D.	N.D.	10	≤500
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	031	033		
Extractable Antimony (Sb)(mg/kg)	N.D.	N.D.	1.0	≤30
Extractable Arsenic (As)(mg/kg)	N.D.	N.D.	0.1	≤0.2
Extractable Barium (Ba)(mg/kg)	N.D.	N.D.	100	≤1000
Extractable Cadmium (Cd)(mg/kg)	N.D.	N.D.	0.08	≤0.1
Extractable Chromium (Cr)(mg/kg)	N.D.	N.D.	0.16	≤2
Extractable Cobalt (Co)(mg/kg)	N.D.	N.D.	0.16	≤4
Extractable Copper (Cu)(mg/kg)	N.D.	5.4	1.0	≤50
Extractable Lead (Pb)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Mercury (Hg)(mg/kg)	N.D.	N.D.	0.005	≤0.02
Extractable Nickel (Ni)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Selenium (Se)(mg/kg)	N.D.	N.D.	10	≤500
Conclusion	Pass	Pass	/	/

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Test Item(s)	Result(s)		MDL	Requirement
	034	035		
Extractable Antimony (Sb)(mg/kg)	N.D.	N.D.	1.0	≤30
Extractable Arsenic (As)(mg/kg)	N.D.	N.D.	0.1	≤0.2
Extractable Barium (Ba)(mg/kg)	N.D.	N.D.	100	≤1000
Extractable Cadmium (Cd)(mg/kg)	N.D.	N.D.	0.08	≤0.1
Extractable Chromium (Cr)(mg/kg)	N.D.	N.D.	0.16	≤2
Extractable Cobalt (Co)(mg/kg)	N.D.	N.D.	0.16	≤4
Extractable Copper (Cu)(mg/kg)	N.D.	N.D.	1.0	≤50
Extractable Lead (Pb)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Mercury (Hg)(mg/kg)	N.D.	N.D.	0.005	≤0.02
Extractable Nickel (Ni)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Selenium (Se)(mg/kg)	N.D.	N.D.	10	≤500
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	036	037		
Extractable Antimony (Sb)(mg/kg)	N.D.	N.D.	1.0	≤30
Extractable Arsenic (As)(mg/kg)	N.D.	N.D.	0.1	≤0.2
Extractable Barium (Ba)(mg/kg)	N.D.	N.D.	100	≤1000
Extractable Cadmium (Cd)(mg/kg)	N.D.	N.D.	0.08	≤0.1
Extractable Chromium (Cr)(mg/kg)	N.D.	N.D.	0.16	≤2
Extractable Cobalt (Co)(mg/kg)	N.D.	N.D.	0.16	≤4
Extractable Copper (Cu)(mg/kg)	N.D.	N.D.	1.0	≤50
Extractable Lead (Pb)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Mercury (Hg)(mg/kg)	N.D.	N.D.	0.005	≤0.02
Extractable Nickel (Ni)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Selenium (Se)(mg/kg)	N.D.	N.D.	10	≤500
Conclusion	Pass	Pass	/	/

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Test Item(s)	Result(s)		MDL	Requirement
	038	039		
Extractable Antimony (Sb)(mg/kg)	N.D.	N.D.	1.0	≤30
Extractable Arsenic (As)(mg/kg)	N.D.	N.D.	0.1	≤0.2
Extractable Barium (Ba)(mg/kg)	N.D.	N.D.	100	≤1000
Extractable Cadmium (Cd)(mg/kg)	N.D.	N.D.	0.08	≤0.1
Extractable Chromium (Cr)(mg/kg)	N.D.	N.D.	0.16	≤2
Extractable Cobalt (Co)(mg/kg)	N.D.	N.D.	0.16	≤4
Extractable Copper (Cu)(mg/kg)	N.D.	N.D.	1.0	≤50
Extractable Lead (Pb)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Mercury (Hg)(mg/kg)	N.D.	N.D.	0.005	≤0.02
Extractable Nickel (Ni)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Selenium (Se)(mg/kg)	N.D.	N.D.	10	≤500
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	040	041		
Extractable Antimony (Sb)(mg/kg)	N.D.	N.D.	1.0	≤30
Extractable Arsenic (As)(mg/kg)	N.D.	N.D.	0.1	≤0.2
Extractable Barium (Ba)(mg/kg)	N.D.	N.D.	100	≤1000
Extractable Cadmium (Cd)(mg/kg)	N.D.	N.D.	0.08	≤0.1
Extractable Chromium (Cr)(mg/kg)	N.D.	N.D.	0.16	≤2
Extractable Cobalt (Co)(mg/kg)	N.D.	N.D.	0.16	≤4
Extractable Copper (Cu)(mg/kg)	N.D.	N.D.	1.0	≤50
Extractable Lead (Pb)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Mercury (Hg)(mg/kg)	N.D.	N.D.	0.005	≤0.02
Extractable Nickel (Ni)(mg/kg)	N.D.	N.D.	0.16	≤1
Extractable Selenium (Se)(mg/kg)	N.D.	N.D.	10	≤500
Conclusion	Pass	Pass	/	/

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Test Item(s)	Result(s)		MDL	Requirement
	042			
Extractable Antimony (Sb)(mg/kg)	N.D.		1.0	≤30
Extractable Arsenic (As)(mg/kg)	N.D.		0.1	≤0.2
Extractable Barium (Ba)(mg/kg)	N.D.		100	≤1000
Extractable Cadmium (Cd)(mg/kg)	N.D.		0.08	≤0.1
Extractable Chromium (Cr)(mg/kg)	N.D.		0.16	≤2
Extractable Cobalt (Co)(mg/kg)	N.D.		0.16	≤4
Extractable Copper (Cu)(mg/kg)	N.D.		1.0	≤50
Extractable Lead (Pb)(mg/kg)	N.D.		0.16	≤1
Extractable Mercury (Hg)(mg/kg)	N.D.		0.005	≤0.02
Extractable Nickel (Ni)(mg/kg)	N.D.		0.16	≤1
Extractable Selenium (Se)(mg/kg)	N.D.		10	≤500
Conclusion	Pass		/	/

Note:N.D. = Not detected, MDL=Method detection limit

4.Nickel release content for direct skin contact (coated metal)

Test method:EN 12472:2020 and EN 1811:2011+A1:2015

Test Item(s)	Result(s)		MDL	Requirement
	006	020		
Nickel release content(μg/cm2/week)	N.D.	N.D.	0.10	<0.5
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	023	026		
Nickel release content(μg/cm2/week)	N.D.	N.D.	0.10	<0.5
Conclusion	Pass	Pass	/	/

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Test Item(s)	Result(s)		MDL	Requirement
	029	030		
Nickel release content($\mu\text{g}/\text{cm}^2/\text{week}$)	N.D.	N.D.	0.10	<0.5
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	031	032		
Nickel release content($\mu\text{g}/\text{cm}^2/\text{week}$)	N.D.	N.D.	0.10	<0.5
Conclusion	Pass	Pass	/	/

Note:N.D. = Not detected, MDL=Method detection limit

5.Total Cadmium (Cd) in non-leather (adult)

Test method:DIN EN 16711-1-2016

Test Item(s)	Result(s)		MDL	Requirement
	001+002+003	004		
Total Cadmium (Cd)(mg/kg)	N.D.	N.D.	5	≤ 100
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	005	007+008		
Total Cadmium (Cd)(mg/kg)	N.D.	N.D.	5	≤ 100
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	009+013+016	010+011+012		
Total Cadmium (Cd)(mg/kg)	N.D.	N.D.	5	≤ 100
Conclusion	Pass	Pass	/	/

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Test Item(s)	Result(s)		MDL	Requirement
	014+015	017+018+019		
Total Cadmium (Cd)(mg/kg)	N.D.	N.D.	5	≤100
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	021+022+024	025		
Total Cadmium (Cd)(mg/kg)	N.D.	N.D.	5	≤100
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	027	028		
Total Cadmium (Cd)(mg/kg)	22.6	N.D.	5	≤100
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	029+030+031	033+034+035		
Total Cadmium (Cd)(mg/kg)	N.D.	N.D.	5	≤100
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	036+037	038+042		
Total Cadmium (Cd)(mg/kg)	N.D.	N.D.	5	≤100
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	039+040+041			
Total Cadmium (Cd)(mg/kg)	N.D.		5	≤100
Conclusion	Pass		/	/

Note:N.D. = Not detected, MDL=Method detection limit

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6.Total lead content in non-metal materials

Test method:CPSC-CH-E1002-08.3

Test Item(s)	Result(s)		MDL	Requirement
	001+002+003	004		
Total lead (Pb)(mg/kg)	N.D.	N.D.	5	≤90
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	005	007+008		
Total lead (Pb)(mg/kg)	N.D.	N.D.	5	≤90
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	009+013+016	010+011+012		
Total lead (Pb)(mg/kg)	N.D.	N.D.	5	≤90
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	014+015	017+018+019		
Total lead (Pb)(mg/kg)	N.D.	N.D.	5	≤90
Conclusion	Pass	Pass	/	/

Note:N.D. = Not detected, MDL=Method detection limit

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7.Total lead content in metal materials

Test method:CPSC-CH-E1001-08.3

Test Item(s)	Result(s)		MDL	Requirement
	021+022+024	025		
Total lead (Pb)(mg/kg)	15.4	12.5	5	≤90
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	027	028		
Total lead (Pb)(mg/kg)	37.6	34.8	5	≤90
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	029+030+031	033+034+035		
Total lead (Pb)(mg/kg)	19.2	12.5	5	≤90
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	036+037	038+042		
Total lead (Pb)(mg/kg)	14.8	N.D.	5	≤90
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	039+040+041			
Total lead (Pb)(mg/kg)	19.9		5	≤90
Conclusion	Pass		/	/

Note:N.D. = Not detected, MDL=Method detection limit

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8.PCP,TeCP,TriCP

Test method:KOH extraction, 16 hours at 90 °C, derivatization and analysis by DIN EN ISO 17070:2015

Test Item(s)	Result(s)		MDL	Requirement
	005	009+013+016		
2,3,4-trichlorophenol(2,3,4-TriCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
2,3,5-trichlorophenol(2,3,5-TriCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
2,3,6-trichlorophenol(2,3,6-TriCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
2,4,5-trichlorophenol(2,4,5-TriCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
2,4,6-Trichlorophenol(2,4,6-TriCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
3,4,5-Trichlorophenol(3,4,5-TriCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
2,3,4,5-tetrachlorophenol(2,3,4,5-TeCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
2,3,4,6-tetrachlorophenol(2,3,4,6-TeCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
2,3,5,6-tetrachlorophenol(2,3,5,6-TeCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
Pentachlorophenol(PCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	010	012		
2,3,4-trichlorophenol(2,3,4-TriCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
2,3,5-trichlorophenol(2,3,5-TriCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
2,3,6-trichlorophenol(2,3,6-TriCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
2,4,5-trichlorophenol(2,4,5-TriCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
2,4,6-Trichlorophenol(2,4,6-TriCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
3,4,5-Trichlorophenol(3,4,5-TriCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
2,3,4,5-tetrachlorophenol(2,3,4,5-TeCP)(mg/kg)	0.17	N.D.	0.05	≤0.5
2,3,4,6-tetrachlorophenol(2,3,4,6-TeCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
2,3,5,6-tetrachlorophenol(2,3,5,6-TeCP)(mg/kg)	0.12	N.D.	0.05	≤0.5
Pentachlorophenol(PCP)(mg/kg)	0.16	N.D.	0.05	≤0.5
Conclusion	Pass	Pass	/	/

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Test Item(s)	Result(s)		MDL	Requirement
	014	015		
2,3,4-trichlorophenol(2,3,4-TriCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
2,3,5-trichlorophenol(2,3,5-TriCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
2,3,6-trichlorophenol(2,3,6-TriCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
2,4,5-trichlorophenol(2,4,5-TriCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
2,4,6-Trichlorophenol(2,4,6-TriCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
3,4,5-Trichlorophenol(3,4,5-TriCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
2,3,4,5-tetrachlorophenol(2,3,4,5-TeCP)(mg/kg)	0.16	N.D.	0.05	≤0.5
2,3,4,6-tetrachlorophenol(2,3,4,6-TeCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
2,3,5,6-tetrachlorophenol(2,3,5,6-TeCP)(mg/kg)	N.D.	N.D.	0.05	≤0.5
Pentachlorophenol(PCP)(mg/kg)	0.16	N.D.	0.05	≤0.5
Conclusion	Pass	Pass	/	/

Note:N.D. = Not detected, MDL=Method detection limit

9.Polycyclic aromatic hydrocarbons (PAHs) for skin contact

Test method:AfPS GS 2019:01 PAK

Test Item(s)	Result(s)		MDL	Requirement
	001+002+003	004		
Naphthalene (NAP)(mg/kg)	N.D.	1.8	0.2	≤2
Acenaphthylene(ANY)(mg/kg)	N.D.	N.D.	0.2	---
Acenaphthene(ANA)(mg/kg)	N.D.	N.D.	0.2	---
Fluorene(FLU)(mg/kg)	N.D.	N.D.	0.2	---
Phenanthrene(PHE)(mg/kg)	N.D.	0.5	0.2	
Anthracene(ANT)(mg/kg)	N.D.	0.6	0.2	---
Fluoranthene(FLT)(mg/kg)	N.D.	N.D.	0.2	---
Pyrene(PYR)(mg/kg)	N.D.	N.D.	0.2	---
Benzo[a]anthracene(BaA)(mg/kg)	N.D.	N.D.	0.2	≤1
Chrysene(CHR)(mg/kg)	N.D.	N.D.	0.2	≤1
Benzo[b]fluoranthene(BbF)(mg/kg)	N.D.	N.D.	0.2	≤1

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Benzo[k]fluoranthene(BkF)(mg/kg)	N.D.	N.D.	0.2	≤1
Benzo[j]fluoranthene(BjF)(mg/kg)	N.D.	N.D.	0.2	≤1
Benzo[e]pyrene(BeP)(mg/kg)	N.D.	N.D.	0.2	≤1
Benzo[a]pyrene(BaP)(mg/kg)	N.D.	N.D.	0.2	≤1
Dibenzo[a,h]anthracene(DBA)(mg/kg)	N.D.	N.D.	0.2	≤1
Indeno[1,2,3-cd]pyrene(IPY)(mg/kg)	N.D.	N.D.	0.2	---
Benzo[g,h,i]perylene(BPE)(mg/kg)	N.D.	N.D.	0.2	---
Sum of 18 PAHs(mg/kg)	N.D.	2.9	---	≤10
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	005	007+008		
Naphthalene (NAP)(mg/kg)	N.D.	0.3	0.2	≤2
Acenaphthylene(ANY)(mg/kg)	N.D.	N.D.	0.2	---
Acenaphthene(ANA)(mg/kg)	N.D.	N.D.	0.2	---
Fluorene(FLU)(mg/kg)	N.D.	N.D.	0.2	---
Phenanthrene(PHE)(mg/kg)	N.D.	N.D.	0.2	---
Anthracene(ANT)(mg/kg)	N.D.	N.D.	0.2	---
Fluoranthene(FLT)(mg/kg)	N.D.	N.D.	0.2	---
Pyrene(PYR)(mg/kg)	N.D.	N.D.	0.2	---
Benzo[a]anthracene(BaA)(mg/kg)	N.D.	N.D.	0.2	≤1
Chrysene(CHR)(mg/kg)	N.D.	N.D.	0.2	≤1
Benzo[b]fluoranthene(BbF)(mg/kg)	N.D.	N.D.	0.2	≤1
Benzo[k]fluoranthene(BkF)(mg/kg)	N.D.	N.D.	0.2	≤1
Benzo[j]fluoranthene(BjF)(mg/kg)	N.D.	N.D.	0.2	≤1
Benzo[e]pyrene(BeP)(mg/kg)	N.D.	N.D.	0.2	≤1
Benzo[a]pyrene(BaP)(mg/kg)	N.D.	N.D.	0.2	≤1
Dibenzo[a,h]anthracene(DBA)(mg/kg)	N.D.	N.D.	0.2	≤1
Indeno[1,2,3-cd]pyrene(IPY)(mg/kg)	N.D.	N.D.	0.2	---
Benzo[g,h,i]perylene(BPE)(mg/kg)	N.D.	N.D.	0.2	---

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Sum of 18 PAHs(mg/kg)	N.D.	0.3	---	≤10
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	009+013+016	010+011+012		
Naphthalene (NAP)(mg/kg)	N.D.	N.D.	0.2	≤2
Acenaphthylene(ANY)(mg/kg)	N.D.	N.D.	0.2	---
Acenaphthene(ANA)(mg/kg)	N.D.	N.D.	0.2	---
Fluorene(FLU)(mg/kg)	N.D.	N.D.	0.2	---
Phenanthrene(PHE)(mg/kg)	N.D.	N.D.	0.2	
Anthracene(ANT)(mg/kg)	N.D.	N.D.	0.2	---
Fluoranthene(FLT)(mg/kg)	N.D.	N.D.	0.2	---
Pyrene(PYR)(mg/kg)	N.D.	N.D.	0.2	---
Benzo[a]anthracene(BaA)(mg/kg)	N.D.	N.D.	0.2	≤1
Chrysene(CHR)(mg/kg)	N.D.	N.D.	0.2	≤1
Benzo[b]fluoranthene(BbF)(mg/kg)	N.D.	N.D.	0.2	≤1
Benzo[k]fluoranthene(BkF)(mg/kg)	N.D.	N.D.	0.2	≤1
Benzo[j]fluoranthene(BjF)(mg/kg)	N.D.	N.D.	0.2	≤1
Benzo[e]pyrene(BeP)(mg/kg)	N.D.	N.D.	0.2	≤1
Benzo[a]pyrene(BaP)(mg/kg)	N.D.	N.D.	0.2	≤1
Dibenzo[a,h]anthracene(DBA)(mg/kg)	N.D.	N.D.	0.2	≤1
Indeno[1,2,3-cd]pyrene(IPY)(mg/kg)	N.D.	N.D.	0.2	---
Benzo[g,h,i]perylene(BPE)(mg/kg)	N.D.	N.D.	0.2	---
Sum of 18 PAHs(mg/kg)	N.D.	N.D.	---	≤10
Conclusion	Pass	Pass	/	/

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Test Item(s)	Result(s)		MDL	Requirement
	014+015	017+018+019		
Naphthalene (NAP)(mg/kg)	N.D.	N.D.	0.2	≤2
Acenaphthylene(ANY)(mg/kg)	N.D.	N.D.	0.2	---
Acenaphthene(ANA)(mg/kg)	N.D.	N.D.	0.2	---
Fluorene(FLU)(mg/kg)	N.D.	N.D.	0.2	---
Phenanthrene(PHE)(mg/kg)	N.D.	N.D.	0.2	
Anthracene(ANT)(mg/kg)	N.D.	N.D.	0.2	---
Fluoranthene(FLT)(mg/kg)	N.D.	N.D.	0.2	---
Pyrene(PYR)(mg/kg)	N.D.	N.D.	0.2	---
Benzo[a]anthracene(BaA)(mg/kg)	N.D.	N.D.	0.2	≤1
Chrysene(CHR)(mg/kg)	N.D.	N.D.	0.2	≤1
Benzo[b]fluoranthene(BbF)(mg/kg)	N.D.	N.D.	0.2	≤1
Benzo[k]fluoranthene(BkF)(mg/kg)	N.D.	N.D.	0.2	≤1
Benzo[j]fluoranthene(BjF)(mg/kg)	N.D.	N.D.	0.2	≤1
Benzo[e]pyrene(BeP)(mg/kg)	N.D.	N.D.	0.2	≤1
Benzo[a]pyrene(BaP)(mg/kg)	N.D.	N.D.	0.2	≤1
Dibenzo[a,h]anthracene(DBA)(mg/kg)	N.D.	N.D.	0.2	≤1
Indeno[1,2,3-cd]pyrene(IPY)(mg/kg)	N.D.	N.D.	0.2	---
Benzo[g,h,i]perylene(BPE)(mg/kg)	N.D.	N.D.	0.2	---
Sum of 18 PAHs(mg/kg)	N.D.	N.D.	---	≤10
Conclusion	Pass	Pass	/	/

Note:N.D. = Not detected, MDL=Method detection limit

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10.Disperse dyes and other forbidden dyes

Test method:DIN 54231:2005

Test Item(s)	Result(s)		MDL	Requirement
	001+002+003	004		
C.I. Disperse Blue 1(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 3(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 7(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 26(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 35A(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 35B(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 102(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 106(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 124(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Brown 1(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Orange 1(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Orange 3(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Orange 11(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Orange 37/76/59(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Orange 149(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Red 1(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Red 11(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Red 17(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Red 151(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Yellow 1(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Yellow 3(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Yellow 7(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Yellow 9(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Yellow 23(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Yellow 39(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Yellow 49(mg/kg)	N.D.	N.D.	7.5	≤50

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C.I. Disperse Yellow 56(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Acid Red 26(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Basic Red 9(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Basic Green 4(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Basic Violet 3(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Basic Violet 14(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Basic Blue 26(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Direct Black 38(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Direct Blue 6(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Direct Red 28(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Direct Brown 95(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Solvent Yellow 2(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Solvent Blue 4(mg/kg)	N.D.	N.D.	7.5	≤50
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol(mg/kg)	N.D.	N.D.	7.5	≤50
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	005	008		
C.I. Disperse Blue 1(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 3(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 7(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 26(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 35A(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 35B(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 102(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 106(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 124(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Brown 1(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Orange 1(mg/kg)	N.D.	N.D.	7.5	≤50

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C.I. Disperse Orange 3(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Orange 11(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Orange 37/76/59(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Orange 149(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Red 1(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Red 11(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Red 17(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Red 151(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Yellow 1(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Yellow 3(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Yellow 7(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Yellow 9(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Yellow 23(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Yellow 39(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Yellow 49(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Yellow 56(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Acid Red 26(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Basic Red 9(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Basic Green 4(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Basic Violet 3(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Basic Violet 14(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Basic Blue 26(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Direct Black 38(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Direct Blue 6(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Direct Red 28(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Direct Brown 95(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Solvent Yellow 2(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Solvent Blue 4(mg/kg)	N.D.	N.D.	7.5	≤50
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol(mg/kg)	N.D.	N.D.	7.5	≤50

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Conclusion	Pass	Pass	/	/
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Test Item(s)	Result(s)		MDL	Requirement
	010+011+012	014+015		
C.I. Disperse Blue 1(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 3(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 7(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 26(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 35A(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 35B(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 102(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 106(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Blue 124(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Brown 1(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Orange 1(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Orange 3(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Orange 11(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Orange 37/76/59(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Orange 149(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Red 1(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Red 11(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Red 17(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Red 151(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Yellow 1(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Yellow 3(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Yellow 7(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Yellow 9(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Yellow 23(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Yellow 39(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Disperse Yellow 49(mg/kg)	N.D.	N.D.	7.5	≤50

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C.I. Disperse Yellow 56(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Acid Red 26(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Basic Red 9(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Basic Green 4(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Basic Violet 3(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Basic Violet 14(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Basic Blue 26(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Direct Black 38(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Direct Blue 6(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Direct Red 28(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Direct Brown 95(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Solvent Yellow 2(mg/kg)	N.D.	N.D.	7.5	≤50
C.I. Solvent Blue 4(mg/kg)	N.D.	N.D.	7.5	≤50
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol(mg/kg)	N.D.	N.D.	7.5	≤50
Conclusion	Pass	Pass	/	/

Note:N.D. = Not detected, MDL=Method detection limit

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11.Azo dyes in non-leather

Test method:EN ISO 14362-1:2017 and(or) EN ISO 14362-3:2017

Test Item(s)	Result(s)		MDL	Requirement
	001+002+003	004		
4-aminobiphenyl(mg/kg)	N.D.	N.D.	5	≤20
Benzidine(mg/kg)	N.D.	N.D.	5	≤20
4-chloro-o-toluidine(mg/kg)	N.D.	N.D.	5	≤20
2-naphthylamine(mg/kg)	N.D.	N.D.	5	≤20
o-aminoazotoluene(mg/kg)	N.D.	N.D.	5	≤20
2-amino-4-nitrotoluene(mg/kg)	N.D.	N.D.	5	≤20
4-chloroaniline(mg/kg)	N.D.	N.D.	5	≤20
2,4-diaminoanisole(mg/kg)	N.D.	N.D.	5	≤20
4,4'-diaminodiphenylmethane(mg/kg)	N.D.	N.D.	5	≤20
3,3'-dichlorobenzidine(mg/kg)	N.D.	N.D.	5	≤20
3,3'-dimethoxybenzidine(mg/kg)	N.D.	N.D.	5	≤20
3,3'-dimethylbenzidine(mg/kg)	N.D.	N.D.	5	≤20
4,4'-methylenedi-o-toluidine(mg/kg)	N.D.	N.D.	5	≤20
p-cresidine(mg/kg)	N.D.	N.D.	5	≤20
4,4'-methylene-bis-(2-chloro-aniline)(mg/kg)	N.D.	N.D.	5	≤20
4,4'-oxydianiline(mg/kg)	N.D.	N.D.	5	≤20
4,4'-thiodianiline(mg/kg)	N.D.	N.D.	5	≤20
o-toluidine(mg/kg)	N.D.	N.D.	5	≤20
2,4-diaminotoluene(mg/kg)	N.D.	N.D.	5	≤20
2,4,5-trimethylaniline(mg/kg)	N.D.	N.D.	5	≤20
o-anisidine(mg/kg)	N.D.	N.D.	5	≤20
4-aminoazobenzene(mg/kg)	N.D.	N.D.	5	≤20
2,4-Xylidine(mg/kg)	N.D.	N.D.	5	≤20
2,6-Xylidine(mg/kg)	N.D.	N.D.	5	≤20
4-chloro-o-toluidinium chloride(mg/kg)	N.D.	N.D.	5	≤20
2-Naphthylammoniumacetate(mg/kg)	N.D.	N.D.	5	≤20

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4-methoxy-m-phenylene diammonium sulphate(mg/kg)	N.D.	N.D.	5	≤20
2,4,5-trimethylaniline hydrochloride(mg/kg)	N.D.	N.D.	5	≤20
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	005	008		
4-aminobiphenyl(mg/kg)	N.D.	N.D.	5	≤20
Benzidine(mg/kg)	N.D.	N.D.	5	≤20
4-chloro-o-toluidine(mg/kg)	N.D.	N.D.	5	≤20
2-naphthylamine(mg/kg)	N.D.	N.D.	5	≤20
o-aminoazotoluene(mg/kg)	N.D.	N.D.	5	≤20
2-amino-4-nitrotoluene(mg/kg)	N.D.	N.D.	5	≤20
4-chloroaniline(mg/kg)	N.D.	N.D.	5	≤20
2,4-diaminoanisole(mg/kg)	N.D.	N.D.	5	≤20
4,4'-diaminodiphenylmethane(mg/kg)	N.D.	N.D.	5	≤20
3,3'-dichlorobenzidine(mg/kg)	N.D.	N.D.	5	≤20
3,3'-dimethoxybenzidine(mg/kg)	N.D.	N.D.	5	≤20
3,3'-dimethylbenzidine(mg/kg)	N.D.	N.D.	5	≤20
4,4'-methylenedi-o-toluidine(mg/kg)	N.D.	N.D.	5	≤20
p-cresidine(mg/kg)	N.D.	N.D.	5	≤20
4,4'-methylene-bis-(2-chloro-aniline)(mg/kg)	N.D.	N.D.	5	≤20
4,4'-oxydianiline(mg/kg)	N.D.	N.D.	5	≤20
4,4'-thiodianiline(mg/kg)	N.D.	N.D.	5	≤20
o-toluidine(mg/kg)	N.D.	N.D.	5	≤20
2,4-diaminotoluene(mg/kg)	N.D.	N.D.	5	≤20
2,4,5-trimethylaniline(mg/kg)	N.D.	N.D.	5	≤20
o-anisidine(mg/kg)	N.D.	N.D.	5	≤20
4-aminoazobenzene(mg/kg)	N.D.	N.D.	5	≤20
2,4-Xylidine(mg/kg)	N.D.	N.D.	5	≤20
2,6-Xylidine(mg/kg)	N.D.	N.D.	5	≤20

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4-chloro-o-toluidinium chloride(mg/kg)	N.D.	N.D.	5	≤20
2-Naphthylammoniumacetate(mg/kg)	N.D.	N.D.	5	≤20
4-methoxy-m-phenylene diammonium sulphate(mg/kg)	N.D.	N.D.	5	≤20
2,4,5-trimethylaniline hydrochloride(mg/kg)	N.D.	N.D.	5	≤20
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	010+011+012	014+015		
4-aminobiphenyl(mg/kg)	N.D.	N.D.	5	≤20
Benzidine(mg/kg)	N.D.	N.D.	5	≤20
4-chloro-o-toluidine(mg/kg)	N.D.	N.D.	5	≤20
2-naphthylamine(mg/kg)	N.D.	N.D.	5	≤20
o-aminoazotoluene(mg/kg)	N.D.	N.D.	5	≤20
2-amino-4-nitrotoluene(mg/kg)	N.D.	N.D.	5	≤20
4-chloroaniline(mg/kg)	N.D.	N.D.	5	≤20
2,4-diaminoanisole(mg/kg)	N.D.	N.D.	5	≤20
4,4'-diaminodiphenylmethane(mg/kg)	N.D.	N.D.	5	≤20
3,3'-dichlorobenzidine(mg/kg)	N.D.	N.D.	5	≤20
3,3'-dimethoxybenzidine(mg/kg)	N.D.	N.D.	5	≤20
3,3'-dimethylbenzidine(mg/kg)	N.D.	N.D.	5	≤20
4,4'-methylenedi-o-toluidine(mg/kg)	N.D.	N.D.	5	≤20
p-cresidine(mg/kg)	N.D.	N.D.	5	≤20
4,4'-methylene-bis-(2-chloro-aniline)(mg/kg)	N.D.	N.D.	5	≤20
4,4'-oxydianiline(mg/kg)	N.D.	N.D.	5	≤20
4,4'-thiodianiline(mg/kg)	N.D.	N.D.	5	≤20
o-toluidine(mg/kg)	N.D.	N.D.	5	≤20
2,4-diaminotoluene(mg/kg)	N.D.	N.D.	5	≤20
2,4,5-trimethylaniline(mg/kg)	N.D.	N.D.	5	≤20
o-anisidine(mg/kg)	N.D.	N.D.	5	≤20
4-aminoazobenzene(mg/kg)	N.D.	N.D.	5	≤20

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2,4-Xylidine(mg/kg)	N.D.	N.D.	5	≤20
2,6-Xylidine(mg/kg)	N.D.	N.D.	5	≤20
4-chloro-o-toluidinium chloride(mg/kg)	N.D.	N.D.	5	≤20
2-Naphthylammoniumacetate(mg/kg)	N.D.	N.D.	5	≤20
4-methoxy-m-phenylene diammonium sulphate(mg/kg)	N.D.	N.D.	5	≤20
2,4,5-trimethylaniline hydrochloride(mg/kg)	N.D.	N.D.	5	≤20
Conclusion	Pass	Pass	/	/

Note:N.D. = Not detected, MDL=Method detection limit

12.Quinoline

Test method:DIN 54231:2005

Test Item(s)	Result(s)		MDL	Requirement
	005	009+013+016		
Quinoline(mg/kg)	N.D.	N.D.	10	≤50
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	010+011+012	014		
Quinoline(mg/kg)	N.D.	N.D.	10	≤50
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	015			
Quinoline(mg/kg)	29		10	≤50
Conclusion	Pass		/	/

Note:N.D. = Not detected, MDL=Method detection limit

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13. Phthalates

Test method: CPSC-CH-C1001-09.4

Test Item(s)	Result(s)		MDL	Requirement
	001+002+003	004		
Diisononyl phthalate(DINP)(ppm)	N.D.	N.D.	50	≤500
Di-n-octyl phthalate (DNOP)(ppm)	N.D.	N.D.	50	≤500
Di(2-ethylhexyl) phthalate(DEHP)(ppm)	N.D.	N.D.	50	≤500
Diisodecyl phthalate(DIDP)(ppm)	N.D.	N.D.	50	≤500
Benzyl butyl phthalate(BBP)(ppm)	N.D.	N.D.	50	≤500
Dibutyl phthalate(DBP)(ppm)	N.D.	N.D.	50	≤500
Diisobutyl phthalate(DIBP)(ppm)	N.D.	N.D.	50	≤500
Di-n-hexyl phthalate(DnHexP)(ppm)	N.D.	N.D.	50	≤500
Diethyl phthalate(DEP)(ppm)	N.D.	N.D.	50	≤500
Dimethylphthalate (DMP)(ppm)	N.D.	N.D.	50	≤500
Di-n-pentyl phthalate(DPenP)(ppm)	N.D.	N.D.	50	≤500
Dicyclohexyl phthalate(DCHP)(ppm)	N.D.	N.D.	50	≤500
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich(ppm)	N.D.	N.D.	50	≤500
Di-(2-methoxyethyl) phthalate(DMEP)(ppm)	N.D.	N.D.	50	≤500
Diisopentylphthalate (DIPP)(ppm)	N.D.	N.D.	50	≤500
Dipropyl phthalate (DPRP)(ppm)	N.D.	N.D.	50	≤500
Diisooctyl phthalate (DIOP)(ppm)	N.D.	N.D.	50	≤500
Di-hexylphthalate, branched and linear (DHxP)(ppm)	N.D.	N.D.	50	≤500
Diisohexyl phthalate (DIHP)(ppm)	N.D.	N.D.	50	≤500
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters(DHNUP)(ppm)	N.D.	N.D.	50	≤500
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear(ppm)	N.D.	N.D.	50	≤500

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1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters ormixed decyl and hexyl and octyl diesters with \geq 0.3% of dihexyl phthalate; 1,2-Benzenedicarboxylic acid, mixeddecyl and hexyl and octyl diesters; 1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters(ppm)	N.D.	N.D.	50	≤ 500
n-Pentyl-isopentylphthalate (nPIPP)(ppm)	N.D.	N.D.	50	≤ 500
Sum of all phthalates(ppm)	N.D.	N.D.	---	≤ 1000
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	007+008	017+018+019		
Diisononyl phthalate(DINP)(ppm)	N.D.	N.D.	50	≤ 500
Di-n-octyl phthalate (DNOP)(ppm)	N.D.	N.D.	50	≤ 500
Di(2-ethylhexyl) phthalate(DEHP)(ppm)	N.D.	N.D.	50	≤ 500
Diisodecyl phthalate(DIDP)(ppm)	N.D.	N.D.	50	≤ 500
Benzyl butyl phthalate(BBP)(ppm)	N.D.	N.D.	50	≤ 500
Dibutyl phthalate(DBP)(ppm)	N.D.	N.D.	50	≤ 500
Diisobutyl phthalate(DIBP)(ppm)	N.D.	N.D.	50	≤ 500
Di-n-hexyl phthalate(DnHexP)(ppm)	N.D.	N.D.	50	≤ 500
Diethyl phthalate(DEP)(ppm)	N.D.	N.D.	50	≤ 500
Dimethylphthalate (DMP)(ppm)	N.D.	N.D.	50	≤ 500
Di-n-pentyl phthalate(DPenP)(ppm)	N.D.	N.D.	50	≤ 500
Dicyclohexyl phthalate(DCHP)(ppm)	N.D.	N.D.	50	≤ 500
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich(ppm)	N.D.	N.D.	50	≤ 500
Di-(2-methoxyethyl) phthalate(DMEP)(ppm)	N.D.	N.D.	50	≤ 500
Diisopentylphthalate (DIPP)(ppm)	N.D.	N.D.	50	≤ 500
Dipropyl phthalate (DPRP)(ppm)	N.D.	N.D.	50	≤ 500
Diisooctyl phthalate (DIOP)(ppm)	N.D.	N.D.	50	≤ 500
Di-hexylphthalate, branched and linear (DHxP)(ppm)	N.D.	N.D.	50	≤ 500
Diisohexyl phthalate (DIHP)(ppm)	N.D.	N.D.	50	≤ 500

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1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters(DHNUP)(ppm)	N.D.	N.D.	50	≤500
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear(ppm)	N.D.	N.D.	50	≤500
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate; 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters; 1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters(ppm)	N.D.	N.D.	50	≤500
n-Pentyl-isopentylphthalate (nPIPP)(ppm)	N.D.	N.D.	50	≤500
Sum of all phthalates(ppm)	N.D.	N.D.	---	≤1000
Conclusion	Pass	Pass	/	/

Note: N.D. = Not detected, MDL=Method detection limit

14. Chlorinated benzenes and Toluenes

Test method: EN 17137:2018

Test Item(s)	Result(s)		MDL	Requirement
	001+002+003	004		
2-chlorotoluene (o-chlorotoluene)(mg/kg)	N.D.	N.D.	0.05	---
3-chlorotoluene (m-chlorotoluene)(mg/kg)	N.D.	N.D.	0.05	---
4-chlorotoluene (p-chlorotoluene)(mg/kg)	N.D.	N.D.	0.05	---
2,3-dichlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
2,4-dichlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
2,5-dichlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
2,6-dichlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
3,4-dichlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
2,3,6-trichlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
2,4,5-trichlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
2,3,4,5-Tetrachlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
2,3,4,6-Tetrachlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
2,3,5,6-Tetrachlorotoluene(mg/kg)	N.D.	N.D.	0.05	---

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Pentachlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
1,3-Dichlorobenzene (meta-dichlorobenzene)(mg/kg)	N.D.	N.D.	0.05	---
1,4-Dichlorobenzene (para-dichlorobenzene)(mg/kg)	N.D.	N.D.	0.05	---
1,2,3-trichlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
1,2,4-trichlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
1,3,5-trichlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
1,2,3,4-tetrachlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
1,2,3,5-tetrachlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
1,2,4,5-tetrachlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
Pentachlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
Hexachlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
p-Chlorobenzotrichloride(mg/kg)	N.D.	N.D.	0.05	---
Benzotrichloride(mg/kg)	N.D.	N.D.	0.05	---
Benzyl Chloride(mg/kg)	N.D.	N.D.	0.05	---
1,2-Dichlorobenzene (ortho-dichlorobenzene)(mg/kg)	N.D.	N.D.	0.05	≤10
Sum of all above except 1,2-Dichlorobenzene(mg/kg)	N.D.	N.D.	---	≤1
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	005	007+008		
2-chlorotoluene (o-chlorotoluene)(mg/kg)	N.D.	N.D.	0.05	---
3-chlorotoluene (m-chlorotoluene)(mg/kg)	N.D.	N.D.	0.05	---
4-chlorotoluene (p-chlorotoluene)(mg/kg)	N.D.	N.D.	0.05	---
2,3-dichlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
2,4-dichlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
2,5-dichlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
2,6-dichlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
3,4-dichlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
2,3,6-trichlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
2,4,5-trichlorotoluene(mg/kg)	N.D.	N.D.	0.05	---

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2,3,4,5-Tetrachlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
2,3,4,6-Tetrachlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
2,3,5,6-Tetrachlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
Pentachlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
1,3-Dichlorobenzene (meta-dichlorobenzene)(mg/kg)	N.D.	N.D.	0.05	---
1,4-Dichlorobenzene (para-dichlorobenzene)(mg/kg)	N.D.	N.D.	0.05	---
1,2,3-trichlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
1,2,4-trichlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
1,3,5-trichlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
1,2,3,4-tetrachlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
1,2,3,5-tetrachlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
1,2,4,5-tetrachlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
Pentachlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
Hexachlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
p-Chlorobenzotrichloride(mg/kg)	N.D.	N.D.	0.05	---
Benzotrichloride(mg/kg)	N.D.	N.D.	0.05	---
Benzyl Chloride(mg/kg)	N.D.	N.D.	0.05	---
1,2-Dichlorobenzene (ortho-dichlorobenzene)(mg/kg)	N.D.	N.D.	0.05	≤10
Sum of all above except 1,2-Dichlorobenzene(mg/kg)	N.D.	N.D.	---	≤1
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	009+013+016	010+011+012		
2-chlorotoluene (o-chlorotoluene)(mg/kg)	N.D.	N.D.	0.05	---
3-chlorotoluene (m-chlorotoluene)(mg/kg)	N.D.	N.D.	0.05	---
4-chlorotoluene (p-chlorotoluene)(mg/kg)	N.D.	N.D.	0.05	---
2,3-dichlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
2,4-dichlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
2,5-dichlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
2,6-dichlorotoluene(mg/kg)	N.D.	N.D.	0.05	---

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3,4-dichlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
2,3,6-trichlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
2,4,5-trichlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
2,3,4,5-Tetrachlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
2,3,4,6-Tetrachlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
2,3,5,6-Tetrachlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
Pentachlorotoluene(mg/kg)	N.D.	N.D.	0.05	---
1,3-Dichlorobenzene (meta-dichlorobenzene)(mg/kg)	N.D.	N.D.	0.05	---
1,4-Dichlorobenzene (para-dichlorobenzene)(mg/kg)	N.D.	N.D.	0.05	---
1,2,3-trichlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
1,2,4-trichlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
1,3,5-trichlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
1,2,3,4-tetrachlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
1,2,3,5-tetrachlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
1,2,4,5-tetrachlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
Pentachlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
Hexachlorobenzene(mg/kg)	N.D.	N.D.	0.05	---
p-Chlorobenzotrichloride(mg/kg)	N.D.	N.D.	0.05	---
Benzotrichloride(mg/kg)	N.D.	N.D.	0.05	---
Benzyl Chloride(mg/kg)	N.D.	N.D.	0.05	---
1,2-Dichlorobenzene (ortho-dichlorobenzene)(mg/kg)	N.D.	N.D.	0.05	≤10
Sum of all above except 1,2-Dichlorobenzene(mg/kg)	N.D.	N.D.	---	≤1
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)	MDL	Requirement
	014+015		
2-chlorotoluene (o-chlorotoluene)(mg/kg)	N.D.	0.05	---
3-chlorotoluene (m-chlorotoluene)(mg/kg)	N.D.	0.05	---
4-chlorotoluene (p-chlorotoluene)(mg/kg)	N.D.	0.05	---
2,3-dichlorotoluene(mg/kg)	N.D.	0.05	---

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2,4-dichlorotoluene(mg/kg)	N.D.	0.05	---
2,5-dichlorotoluene(mg/kg)	N.D.	0.05	---
2,6-dichlorotoluene(mg/kg)	N.D.	0.05	---
3,4-dichlorotoluene(mg/kg)	N.D.	0.05	---
2,3,6-trichlorotoluene(mg/kg)	N.D.	0.05	---
2,4,5-trichlorotoluene(mg/kg)	N.D.	0.05	---
2,3,4,5-Tetrachlorotoluene(mg/kg)	N.D.	0.05	---
2,3,4,6-Tetrachlorotoluene(mg/kg)	N.D.	0.05	---
2,3,5,6-Tetrachlorotoluene(mg/kg)	N.D.	0.05	---
Pentachlorotoluene(mg/kg)	N.D.	0.05	---
1,3-Dichlorobenzene (meta-dichlorobenzene)(mg/kg)	N.D.	0.05	---
1,4-Dichlorobenzene (para-dichlorobenzene)(mg/kg)	N.D.	0.05	---
1,2,3-trichlorobenzene(mg/kg)	N.D.	0.05	---
1,2,4-trichlorobenzene(mg/kg)	N.D.	0.05	---
1,3,5-trichlorobenzene(mg/kg)	N.D.	0.05	---
1,2,3,4-tetrachlorobenzene(mg/kg)	N.D.	0.05	---
1,2,3,5-tetrachlorobenzene(mg/kg)	N.D.	0.05	---
1,2,4,5-tetrachlorobenzene(mg/kg)	N.D.	0.05	---
Pentachlorobenzene(mg/kg)	N.D.	0.05	---
Hexachlorobenzene(mg/kg)	N.D.	0.05	---
p-Chlorobenzotrichloride(mg/kg)	N.D.	0.05	---
Benzotrichloride(mg/kg)	N.D.	0.05	---
Benzyl Chloride(mg/kg)	N.D.	0.05	---
1,2-Dichlorobenzene (ortho-dichlorobenzene)(mg/kg)	N.D.	0.05	≤10
Sum of all above except 1,2-Dichlorobenzene(mg/kg)	N.D.	---	≤1
Conclusion	Pass	/	/

Note:N.D. = Not detected, MDL=Method detection limit

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15.Chlorinated paraffins

Test method:ISO 18219:2015, analysis by GC-NCI-MS

Test Item(s)	Result(s)		MDL	Requirement
	001+002+003	007+008		
Short-chain chlorinated paraffins (SCCPs) (C10-C13)(mg/kg)	N.D.	N.D.	100	≤1000
Medium-chain chlorinated paraffins (MCCPs) (C14-C17)(mg/kg)	N.D.	N.D.	100	≤1000
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	017+018+019			
Short-chain chlorinated paraffins (SCCPs) (C10-C13)(mg/kg)	N.D.		100	≤1000
Medium-chain chlorinated paraffins (MCCPs) (C14-C17)(mg/kg)	N.D.		100	≤1000
Conclusion	Pass		/	/

Note:N.D. = Not detected, MDL=Method detection limit

16.Solvents residuals-DMFa,DMAC,NMP

Test method:ISO/TS 16189:2013

Test Item(s)	Result(s)		MDL	Requirement
	001+002+003	004		
N,N-dimethylformamide(DMFA)(mg/kg)	60	N.D.	50	≤500
Dimethylacetamide (DMAC)(mg/kg)	N.D.	N.D.	50	≤1000
N-Methyl-2-pyrrolidone (NMP)(mg/kg)	N.D.	N.D.	50	≤1000
Conclusion	Pass	Pass	/	/

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Test Item(s)	Result(s)		MDL	Requirement
	007+008			
N,N-dimethylformamide(DMFA)(mg/kg)	116		50	≤500
Dimethylacetamide (DMAC)(mg/kg)	N.D.		50	≤1000
N-Methyl-2-pyrrolidone (NMP)(mg/kg)	N.D.		50	≤1000
Conclusion	Pass		/	/

Note:N.D. = Not detected, MDL=Method detection limit

17.Alkylphenols (APs),Alkylphenol ethoxylates (APEOs)

Test method:NP,OP:EN ISO 21084:2019; NPEO,OPEO:EN ISO 18218-1:2015&EN ISO 18254-1:2016

Test Item(s)	Result(s)		MDL	Requirement
	001+002+003	004		
Nonylphenol (NP)(mg/kg)	N.D.	N.D.	10	---
Octylphenol (OP)(mg/kg)	N.D.	N.D.	10	---
Nonylphenol Ethoxylate (NPEO)(mg/kg)	N.D.	N.D.	20	---
Octylphenol Ethoxylate (OPEO)(mg/kg)	N.D.	N.D.	20	---
Sum of NP, OP (APs)(mg/kg)	N.D.	N.D.	---	≤100
Sum of NPEO, OPEO (APEOs)(mg/kg)	N.D.	N.D.	---	≤100
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	005	007+008		
Nonylphenol (NP)(mg/kg)	N.D.	N.D.	10	---
Octylphenol (OP)(mg/kg)	N.D.	N.D.	10	---
Nonylphenol Ethoxylate (NPEO)(mg/kg)	N.D.	N.D.	20	---
Octylphenol Ethoxylate (OPEO)(mg/kg)	N.D.	30.3	20	---
Sum of NP, OP (APs)(mg/kg)	N.D.	N.D.	---	≤100
Sum of NPEO, OPEO (APEOs)(mg/kg)	N.D.	30.3	---	≤100
Conclusion	Pass	Pass	/	/

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Test Item(s)	Result(s)		MDL	Requirement
	009+013+016	010+011+012		
Nonylphenol (NP)(mg/kg)	N.D.	N.D.	10	---
Octylphenol (OP)(mg/kg)	N.D.	N.D.	10	---
Nonylphenol Ethoxylate (NPEO)(mg/kg)	N.D.	N.D.	20	---
Octylphenol Ethoxylate (OPEO)(mg/kg)	N.D.	N.D.	20	---
Sum of NP, OP (APs)(mg/kg)	N.D.	N.D.	---	≤ 100
Sum of NPEO, OPEO (APEOs)(mg/kg)	N.D.	N.D.	---	≤ 100
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	014+015			
Nonylphenol (NP)(mg/kg)	N.D.		10	---
Octylphenol (OP)(mg/kg)	N.D.		10	---
Nonylphenol Ethoxylate (NPEO)(mg/kg)	N.D.		20	---
Octylphenol Ethoxylate (OPEO)(mg/kg)	N.D.		20	---
Sum of NP, OP (APs)(mg/kg)	N.D.		---	≤ 100
Sum of NPEO, OPEO (APEOs)(mg/kg)	N.D.		---	≤ 100
Conclusion	Pass		/	/

Note:N.D. = Not detected, MDL=Method detection limit

Test method:NP,OP: 1 g sample/20 mL THF, sonication for 60 minutes at 70 degrees C, analysis according to EN ISO 21084:2019; NPEO,OPEO: EN ISO 18218-1:2015&EN ISO 18254-1:2016

Test Item(s)	Result(s)		MDL	Requirement
	017+018+019			
Nonylphenol (NP)(mg/kg)	N.D.		10	---
Octylphenol (OP)(mg/kg)	N.D.		10	---
Nonylphenol Ethoxylate (NPEO)(mg/kg)	N.D.		20	---
Octylphenol Ethoxylate (OPEO)(mg/kg)	N.D.		20	---
Sum of NP, OP (APs)(mg/kg)	N.D.		---	≤ 100
Sum of NPEO, OPEO (APEOs)(mg/kg)	N.D.		---	≤ 100

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Conclusion	Pass	/	/
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Note:N.D. = Not detected, MDL=Method detection limit

18.Organotin compounds

Test method:ISO/TS 16179:2012

Test Item(s)	Result(s)		MDL	Requirement
	001+002+003	004		
Di-n-octyltin (DOT)(mg/kg)	N.D.	N.D.	0.04	≤1
Tri-n-butyltin (TBT)(mg/kg)	N.D.	N.D.	0.04	≤0.5
Triphenyltin (TPhT)(mg/kg)	N.D.	N.D.	0.04	≤0.5
Tricyclohexyltin (TcyT)(mg/kg)	N.D.	N.D.	0.04	≤1
Mono-n-butyltin (MBT)(mg/kg)	N.D.	N.D.	0.04	≤1
Trioctyltin (TOT)(mg/kg)	N.D.	N.D.	0.04	≤1
Tripropyltin (TPT)(mg/kg)	N.D.	N.D.	0.04	≤1
Trimethyltin (TMT)(mg/kg)	N.D.	N.D.	0.04	≤1
Di-n-butyltin (DBT)(mg/kg)	N.D.	N.D.	0.04	≤1
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	005	007+008		
Di-n-octyltin (DOT)(mg/kg)	N.D.	N.D.	0.04	≤1
Tri-n-butyltin (TBT)(mg/kg)	N.D.	N.D.	0.04	≤0.5
Triphenyltin (TPhT)(mg/kg)	N.D.	N.D.	0.04	≤0.5
Tricyclohexyltin (TcyT)(mg/kg)	N.D.	N.D.	0.04	≤1
Mono-n-butyltin (MBT)(mg/kg)	N.D.	N.D.	0.04	≤1
Trioctyltin (TOT)(mg/kg)	N.D.	N.D.	0.04	≤1
Tripropyltin (TPT)(mg/kg)	N.D.	N.D.	0.04	≤1
Trimethyltin (TMT)(mg/kg)	N.D.	N.D.	0.04	≤1
Di-n-butyltin (DBT)(mg/kg)	N.D.	N.D.	0.04	≤1
Conclusion	Pass	Pass	/	/

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Test Item(s)	Result(s)		MDL	Requirement
	009+013+016	010+011+012		
Di-n-octyltin (DOT)(mg/kg)	N.D.	N.D.	0.04	≤1
Tri-n-butyltin (TBT)(mg/kg)	N.D.	N.D.	0.04	≤0.5
Triphenyltin (TPhT)(mg/kg)	N.D.	N.D.	0.04	≤0.5
Tricyclohexyltin (TcyT)(mg/kg)	N.D.	N.D.	0.04	≤1
Mono-n-butyltin (MBT)(mg/kg)	N.D.	N.D.	0.04	≤1
Trioctyltin (TOT)(mg/kg)	N.D.	N.D.	0.04	≤1
Tripropyltin (TPT)(mg/kg)	N.D.	N.D.	0.04	≤1
Trimethyltin (TMT)(mg/kg)	N.D.	N.D.	0.04	≤1
Di-n-butyltin (DBT)(mg/kg)	N.D.	N.D.	0.04	≤1
Conclusion	Pass	Pass	/	/

Test Item(s)	Result(s)		MDL	Requirement
	014+015	017+018+019		
Di-n-octyltin (DOT)(mg/kg)	N.D.	N.D.	0.04	≤1
Tri-n-butyltin (TBT)(mg/kg)	N.D.	N.D.	0.04	≤0.5
Triphenyltin (TPhT)(mg/kg)	N.D.	N.D.	0.04	≤0.5
Tricyclohexyltin (TcyT)(mg/kg)	N.D.	N.D.	0.04	≤1
Mono-n-butyltin (MBT)(mg/kg)	N.D.	N.D.	0.04	≤1
Trioctyltin (TOT)(mg/kg)	N.D.	N.D.	0.04	≤1
Tripropyltin (TPT)(mg/kg)	N.D.	N.D.	0.04	≤1
Trimethyltin (TMT)(mg/kg)	N.D.	N.D.	0.04	≤1
Di-n-butyltin (DBT)(mg/kg)	N.D.	N.D.	0.04	≤1
Conclusion	Pass	Pass	/	/

Note:N.D. = Not detected, MDL=Method detection limit

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

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