



Greater China

# Test Report

No.: 70.431.20.12789.01

Dated: 2020-07-30

**Applicant:** POLYCONCEPT GBS  
**Address:** 4/F., HONGQIAO RONGGUANG BLDG., 11 CHANGSHUN ROAD SHANGHAI, 200051, PR CHINA  
**Product Name:** Stockholm foldable clr  
**Style No.:** 11909500-navy, 11909501-lbl, 11909502-lm, 11909503-rd, 11909504- wh  
**PO/Order No.:** PO#642569, PO#642510, PO#644594  
**Manufacturer:** #10503  
**Factory Code:** #7421  
**Country of Origin:** CHINA  
**Country of Destination:** EU  
**Receipt Date of Sample:** 2020-07-13  
**Date of Testing:** 2020-07-13 to 2020-07-30  
**Sample Submitted:** The sample(s) was (were) submitted by applicant and identified.  
**Test Result:** Refer to the data listed in following pages

Test Item	Conclusion
1. Total Lead Content Requirement in Annex XVII, Item 63 of the REACH Regulation (EC) No 1907/2006 with its Amendments	Pass
2. Total Cadmium Content Requirement in Annex XVII, Item 23 of the REACH Regulation(EC) No 1907/2006 with its Amendments	Pass
3. 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328), 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) and 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) Content - in Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA)	<0.1%(w/w)
4. Azocolourants Content Requirement in Annex XVII, Item 43 of the REACH Regulation(EC) No 1907/2006 with its Amendment	Pass
5. Overall Migration	Pass*
6. EU-CM/Res (2013)9-Extractable Heavy Metals	Pass

Remarks: 1. MDL = Method Detection Limit  
2. ND = Not Detected (<MDL)  
3. <= Less than  
4. 1 mg/kg = 1 ppm = 0.0001%  
5. mg/dm<sup>2</sup> denotes milligram per square decimeter  
6. \*= Conclusion was drawn according to client's specification.

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TÜV SÜD Certification and Testing (China) Co.,Ltd. Shanghai Branch  
Testing Center

Prepared by:

Handwritten signature of Wu, Jingqing in blue ink.

**Wu, Jingqing**  
Technical Engineer



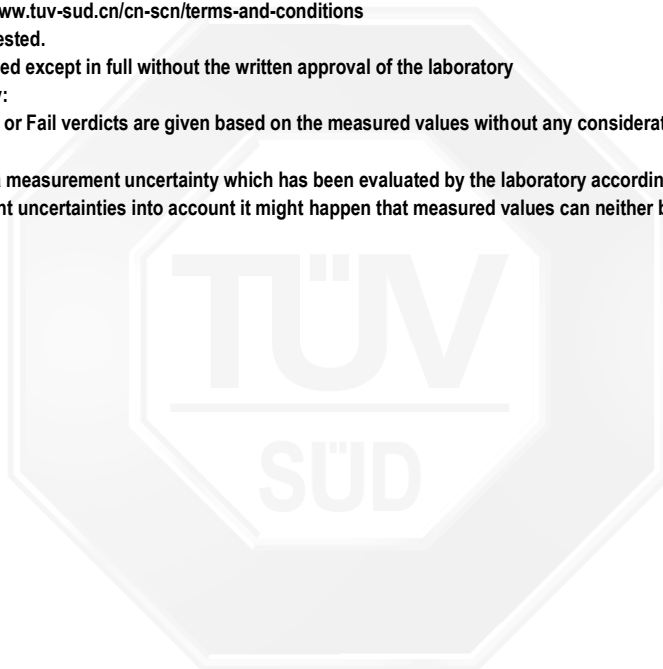
Authorized by:

Handwritten signature of Sawyer Tang in blue ink.

**Sawyer Tang**  
Technical Manager


Note:

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Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as Fail.



Description of the Tested Subject

Sample	Description	Photo
A	Stockholm foldable clr	
B	Stockholm foldable clr	
C	Stockholm foldable clr	
D	Stockholm foldable clr	

Sample	Description	Photo
E	Stockholm foldable clr	

Specimen Description	
001	Silver Aluminum foil lining (inner bag)
002	Black coating with metal (zipper head/puller)
003	Sky blue fabric with backing (body)
004	Navy fabric with backing (body)
005	Black fabric (zipper tape/ all styles)
006	White fabric with backing (body)
007	Black non-woven fabric (inner binding/ all styles))
008	Black webbing belt (shoulder belt/ all styles)
009	Grey/blue webbing belt (zipper puller/ A/B/C/D)
010	Grey/white webbing belt (zipper puller/ E)
011	Lime green fabric with backing (body)
012	Red fabric with backing (body)
013	Black textile loop (all styles)
014	Black plastic hook (all styles)
015	Black plastic (buckle/ all styles)
016	Black plastic (zipper teeth/ all styles)
017	White foam (interlayer/ all styles))
018	Black fabric (outer binding/all styles)



**Test Results**

**1. Total Lead Content Requirement in Annex XVII, Item 63 of the REACH Regulation (EC) No 1907/2006 with its Amendments**

Test with reference to in house method, determination by ICP-OES/ICP-MS.

Sample	Unit	MDL	Limit	Result(s)	Conclusion
001	mg/kg	10	500	<10.0	Pass
002	mg/kg	10	500	24	Pass
003+004+005	mg/kg	10	500	<10.0	Pass
006+007+008	mg/kg	10	500	<10.0	Pass
009+010	mg/kg	10	500	<10.0	Pass
011+012	mg/kg	10	500	<10.0	Pass
013+018	mg/kg	10	500	<10.0	Pass
014+015+016	mg/kg	10	500	15	Pass

Remark: The test samples 002, 003+004+005, 006+007+008, 009+010, 011+012, 013+018, 014+015+016, were copied from samples 002, 003+004+005, 006+007+008, 009+010, 011+012, 013+018, 014+015+016 of report 70.431.20.10689.01.

**3. Total Cadmium Content Requirement in Annex XVII, Item 23 of the REACH Regulation(EC) No 1907/2006 with its Amendments**

Test with reference to Acid digestion and EN 1122:2001 Method B, determination by ICP-OES.

Sample	Unit	MDL	Limit	Result(s)	Conclusion
001	mg/kg	5	<100	<5.0	Pass
002	mg/kg	5	<100	<5.0	Pass
003+004+005	mg/kg	5	<100	<5.0	Pass
006+007+008	mg/kg	5	<100	<5.0	Pass
009+010	mg/kg	5	<100	<5.0	Pass
011+012	mg/kg	5	<100	<5.0	Pass
013+018	mg/kg	5	<100	<5.0	Pass
014+015+016	mg/kg	5	<100	<5.0	Pass
017	mg/kg	5	<100	<5.0	Pass

Remark: The test samples 002, 003+004+005, 006+007+008, 009+010, 011+012, 013+018, 014+015+016, 017 were copied from samples 002, 003+004+005, 006+007+008, 009+010, 011+012, 013+018, 014+015+016, 017 of report 70.431.20.10689.01.

3. 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328), 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) and 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) Content - in Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA)

Test with reference to in house method and determination by LC-MS.

Compound	CAS No.	Unit	MDL	Limit	Result(s) [%]
					003+004+006+008+011+012+015
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	%	0.01	0.1	<0.01
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	%	0.01	0.1	<0.01
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	%	0.01	0.1	<0.01

Remark: The test samples 003+004+006+008+011+012+015 were copied from samples 003+004+006+008+011+012+015 of report 70.431.20.10689.01.

4. Azocolourants Content Requirement in Annex XVII, Item 43 of the REACH Regulation(EC) No 1907/2006 with its Amendment

Test with reference to EN ISO 14362-1:2017

No.	Prohibited Amines	CAS No.	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
					003+004	008+011+012
1	4-aminobiphenyl	92-67-1	5.0	<30	<5.0	<5.0
2	Benzidine	92-87-5	5.0	<30	<5.0	<5.0
3	4-chloro-o-toluidine	95-69-2	5.0	<30	<5.0	<5.0
4	2-naphthylamine	91-59-8	5.0	<30	<5.0	<5.0
5	o-aminoazotoluene	97-56-3	5.0	<30	<5.0	<5.0
6	5-nitro-o-toluidine	99-55-8	5.0	<30	<5.0	<5.0
7	4-chloroaniline	106-47-8	5.0	<30	<5.0	<5.0
8	2,4-diaminoanisole	615-05-4	5.0	<30	<5.0	<5.0
9	4,4'-diaminodiphenylmethane	101-77-9	5.0	<30	<5.0	<5.0
10	3,3'-dichlorobenzidine	91-94-1	5.0	<30	<5.0	<5.0
11	3,3'-Dimethoxybenzidine	119-90-4	5.0	<30	<5.0	<5.0
12	3,3'-dimethylbenzidine	119-93-7	5.0	<30	<5.0	<5.0
13	4,4'-methylenedi-o-toluidine	838-88-0	5.0	<30	<5.0	<5.0
14	p-cresidine	120-71-8	5.0	<30	<5.0	<5.0
15	4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	5.0	<30	<5.0	<5.0
16	4,4'-oxydianiline	101-80-4	5.0	<30	<5.0	<5.0
17	4,4'-thiodianiline	139-65-1	5.0	<30	<5.0	<5.0
18	o-toluidine	95-53-4	5.0	<30	<5.0	<5.0
19	2,4-toluenediamine	95-80-7	5.0	<30	<5.0	<5.0
20	2,4,5-trimethylaniline	137-17-7	5.0	<30	<5.0	<5.0
21	2-methoxyaniline	90-04-0	5.0	<30	<5.0	<5.0
22	2,4-xylidine	95-68-1	5.0	<30	<5.0	<5.0
23	2,6-xylidine	87-62-7	5.0	<30	<5.0	<5.0
24	4-aminoazobenzene	60-09-3	5.0	<30	<5.0	<5.0
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>

**Interpretation of test results:**

- (1) In the case of the measured value per amine component  $\leq 30$  mg/kg and according to the analysis carried out, the azo colourants banned under the Annex XVII of Regulation (EC) No. 1907/2006, REACH are not detected in the article submitted.
- (2) Banned AZO dyes in accordance to REACH regulation (EC) No. 1907/2006 and Amendment No. 552/2009 Annex XVII Item 43 (formerly known as 2002/61/EC)

Remark: The test samples 003+004, 008+011+012 were copied from samples 003+004, 008+011+012 of report 70.431.20.10689.01.



**5. Overall Migration**

- With reference to EN1186-1:2002 for selection of test methods;  
EN1186-13: 2002 Method B -adsorption by modified polyphenylene oxide;
- Sample 001 Migration ratio: 4.8g/1.20dm<sup>2</sup>

Simulant(s) Used	Test Condition	Overall Migration Result(s) [mg/dm <sup>2</sup> ]	Maximum Permissible Limit [mg/dm <sup>2</sup> ]	Conclusion
		001*		
MPPO	40°C for 24 hours	<3.0	10	Pass

- Note:
1. \* denotes the data comes from the third extraction solution
  2. Test condition and simulant were specified by client
  3. Limit was according to client's requirement





**6. EU-CM/Res (2013)9-Extractable Heavy Metals**

- Test with reference to EN 13130-1:2004.
- Test condition: Artificial tap water, 40°C for 24 hours
- Sample 001 migration ratio: 150ml/0.96dm<sup>2</sup>

Test Item(s)	Result(s) [mg/kg]		Maximum Permissible Limit [mg/kg]		Conclusion
	001		3 <sup>rd</sup> migration	1 <sup>st</sup> + 2 <sup>nd</sup> migration	
	3 <sup>rd</sup> migration	1 <sup>st</sup> + 2 <sup>nd</sup> migration			
Silver	<0.01	<0.02	0.08	0.56	Pass
Aluminium	<0.5	<1.0	5	35	Pass
Cobalt	<0.01	<0.02	0.02	0.14	Pass
Chromium	<0.02	<0.04	0.25	1.75	Pass
Copper	<0.2	<0.4	4	28	Pass
Iron	<1.0	<2.0	40	280	Pass
Magnesium	<0.05	<0.1	--	--	--
Manganese	<0.2	<0.4	1.8	12.6	Pass
Molybdenum	<0.01	<0.02	0.12	0.84	Pass
Nickel	<0.02	<0.04	0.14	0.98	Pass
Tin	<1.0	<2.0	100	700	Pass
Titanium	<0.05	<0.1	--	--	--
Vanadium	<0.01	<0.02	0.01	0.07	Pass
Zinc	<0.5	<1.0	5	35	Pass
Arsenic	<0.001	<0.002	0.002	0.014	Pass
Barium	<0.1	<0.2	1.2	8.4	Pass
Beryllium	<0.01	<0.02	0.01	0.07	Pass
Cadmium	<0.001	<0.002	0.005	0.035	Pass
Mercury	<0.001	<0.002	0.003	0.021	Pass
Lithium	<0.01	<0.02	0.048	0.336	Pass
Lead	<0.01	<0.02	0.01	0.07	Pass
Antimony	<0.01	<0.02	0.04	0.28	Pass
Thallium	<0.0001	<0.0002	0.0001	0.0007	Pass

Note: 1. Test condition and simulant were specified by client

- End of Test Report -