



Greater China

Test Report

No.: 70.431.21.11697.01

Dated: 2021-04-09

Applicant: POLYCONCEPT GBS
Address: 4/F., HONGQIAO RONGGUANG BLDG., 11 CHANGSHUN ROAD SHANGHAI, 200051, PR CHINA
Product Name: Rpet Saddle cover
Model No.: 11402101 – WH / 11402111 – YW 11402121 – RD / 11402131 – OR 11402152 – PBL / 11402153 – RYL 11402161 – GR / 11402190 - BK
PO/Order No.: #648094
Manufacturer: #10273
Factory Code: #2816
Country of Origin: CHINA
Country of Destination: EU
Receipt Date of Sample: 2021-03-31
Date of Testing: 2021-03-31 to 2021-04-09
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. Phthalates Content in Annex XVII Items 51 and 52 of the REACH Regulation(EC) No 1907/2006 with its Amendments	Pass
4. 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320), 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)
5. Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs) Content - European Parliament and Council Regulation (EU) 2019/1021 on Persistent Organic Pollutants (POPs)	Pass
6. N,N-dimethylacetamide (DMAC) Content - in Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA)	<0.1%(w/w)
7. Perfluorooctane Sulphonates (PFOS) Content - European Parliament and Council Regulation (EU) 2019/1021 on Persistent Organic Pollutants (POPs)	Pass
8. Perfluorooctanoic acid (PFOA) and its salts Content - European Parliament and Council Regulation (EU) 2019/1021 on Persistent Organic Pollutants (POPs)	Pass
9. Phthalates Content - in Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA)	Pass
10. Tris(2-chloroethyl) phosphate (TCEP) Content - in Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA)	Pass



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- Remarks:
1. MDL = Method Detection Limit
 2. ND = Not Detected (<MDL)
 3. <= Less than
 4. 1 mg/kg = 1 ppm = 0.0001%

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

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Note:

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For further details, please see "Testing and certification regulation", chapter A-3.4
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- (2) The results relate only to the Items tested.
- (3) The test report shall not be reproduced except in full without the written approval of the laboratory
- (4) Disclaimer Measurement Uncertainty:
Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties.
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	Rpet Saddle cover	

Specimen Description

001	Orange fabric (body)
002	Light blue fabric (body)
003	Black fabric (body)
004	Red fabric (body)
005	Green fabric (body)
006	White fabric (body)
007	Blue fabric (body)
008	Yellow fabric (body)
009	White elastic band (inner body/all styles)
010	Black/white trademark (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+002+003	mg/kg	10	500	<10.0	Pass
004+005+006	mg/kg	10	500	<10.0	Pass
007+008	mg/kg	10	500	<10.0	Pass
009+010	mg/kg	10	500	<10.0	Pass

2. 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/ICP-MS.

Sample	Unit	MDL	Limit	Result(s)	Conclusion
001+002+003	mg/kg	5	<100	<5.0	Pass
004+005+006	mg/kg	5	<100	<5.0	Pass
007+008	mg/kg	5	<100	<5.0	Pass
009+010	mg/kg	5	<100	<5.0	Pass

3. Phthalates Content in Annex XVII Items 51 and 52 of the REACH Regulation(EC) No 1907/2006 with its Amendments

Test with reference to in house method, determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)
					009
Bis (2-ethylhexyl) phthalate, DEHP	117-81-7	%	0.005	-	ND
Dibutyl phthalate, DBP	84-74-2	%	0.005	-	ND
Benzyl butyl phthalate, BBP	85-68-7	%	0.005	-	ND
Diisobutylphthalate, DIBP	84-69-5	%	0.005	-	ND
Sum of DBP, BBP, DEHP, DIBP	-	%	0.005	<0.1	ND
Di-isononyl phthalate, DINP	28553-12-0 , 68515-48-0	%	0.005	-	ND
Di-isodecyl phthalate, DIDP	26761-40-0 , 68515-49-1	%	0.005	-	ND
Di-n-octyl phthalate, DNOP	117-84-0	%	0.005	-	ND
Sum of DINP, DIDP, DNOP	-	%	0.005	<0.1	ND
Conclusion					Pass



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4. **2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320), 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) [%]
					001+002+003+004+005+006+007+008+009
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	%	0.01	0.1	<0.01
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

5. **Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs) Content - European Parliament and Council Regulation (EU) 2019/1021 on Persistent Organic Pollutants (POPs)**

Test with reference to in house method, determination by GC-MS-NCl.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)
					009
SCCP	85535-84-8	mg/kg	100	<1500	<100
Conclusion					Pass

6. **N,N-dimethylacetamide (DMAC) Content - in Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA)**

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

Compound	CAS No.	Unit	MDL	Limit	Result(s) [%]
					001+002+003+004+005+006+007+008+009
N,N-dimethylacetamide (DMAC)	127-19-5	%	0.01	0.1	<0.01

7. Perfluorooctane Sulphonates (PFOS) Content - European Parliament and Council Regulation (EU) 2019/1021 on Persistent Organic Pollutants (POPs)

With reference to CEN/TS 15968:2010, determined by LC-MS-MS

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					001	002
Perfluorooctansulfonate (PFOS)	1763-23-1	µg/m ²	0.5	<1.0	<0.5	<0.5
Conclusion					Pass	Pass

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					003	004
Perfluorooctansulfonate (PFOS)	1763-23-1	µg/m ²	0.5	<1.0	<0.5	<0.5
Conclusion					Pass	Pass

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					005	006
Perfluorooctansulfonate (PFOS)	1763-23-1	µg/m ²	0.5	<1.0	<0.5	<0.5
Conclusion					Pass	Pass

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					007	008
Perfluorooctansulfonate (PFOS)	1763-23-1	µg/m ²	0.5	<1.0	<0.5	<0.5
Conclusion					Pass	Pass

8. Perfluorooctanoic acid (PFOA) and its salts Content - European Parliament and Council Regulation (EU) 2019/1021 on Persistent Organic Pollutants (POPs)

Test with reference to CEN/TS 15968:2010, determination by LC-MS.

Parameter	Unit	MDL	Limit	Result(s)	
				001+002+003	004+005+006
Perfluorooctane Acid (PFOA)	ppb	5	<25	<5	<5
Conclusion				Pass	Pass

Parameter	Unit	MDL	Limit	Result(s)
				007+008
Perfluorooctane Acid (PFOA)	ppb	5	<25	<5
Conclusion				Pass

Remark: 1. ppb=part per billion= $\mu\text{g}/\text{kg}$ = Microgram per Kilogram.

9. Phthalates Content - in Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA)

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

Compound	CAS No.	Unit	MDL	Limit	Result(s) [%]
					009
Benzylbutylphthalate (BBP)	85-68-7	%	0.01	0.1	<0.01
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	%	0.01	0.1	<0.01
Dibutylphthalate (DBP)	84-74-2	%	0.01	0.1	<0.01
Diisobutyl Phthalate (DIBP)	84-69-5	%	0.01	0.1	<0.01
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	%	0.01	0.1	<0.01
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	%	0.01	0.1	<0.01
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	%	0.01	0.1	<0.01
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	%	0.01	0.1	<0.01
Diisopentylphthalate (DIPP)	605-50-5	%	0.01	0.1	<0.01
N-pentyl-isopentylphthalate	776297-69-9	%	0.01	0.1	<0.01
Dipentyl phthalate (DPP)	131-18-0	%	0.01	0.1	<0.01
Di-n-hexyl phthalate (DnHP/DHP/DHEXP)	84-75-3	%	0.01	0.1	<0.01
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	%	0.01	0.1	<0.01
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with \geq 0.3% of dihexyl phthalate	68515-51-5, 68648-93-1	%	0.01	0.1	<0.01
Dicyclohexyl phthalate(DCHP)	84-61-7	%	0.01	0.1	<0.01
Diisohexyl phthalate (DIHxP)	71850-09-4	%	0.01	0.1	<0.01
Conclusion					Pass



10. Tris(2-chloroethyl) phosphate (TCEP) 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) [%]
					009
Tris (2-chloroethyl) phosphate	115-96-8	%	0.01	0.1	<0.01
Conclusion					Pass

- End of Test Report -

