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Applicant : Shenzhen Xiwei Technology Co., Ltd
Contact Person : LUO YUN RONG
Sample Description : Rug
Fiber Content : Polyester
Color : Black of Grey
Care Instruction : yes
P. O. / Order No : TJR517
Style No : X-EU-R00-06
End Use : home
Manufacturer : Shenzhen Xiwei Technology Co., Ltd
Date of Submission : Mar 13,2025
Test Performance Dates : Mar 13,2025~Mar 13,2025

Photo of Submitted Sample



For and on behalf of
Modern Testing Services (Dongguan) Limited



Carol Ke, Chemical Senior Manager

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TEST RESULT SUMMARY

Test Requested	Results
Total Lead Content – Entry 63 of Annex XVII of European Regulation (EC) No 1907/2006, EU 836/2012 and EU 2015/628 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended	PASS
Total Cadmium Content – Entry 23 of Annex XVII of European Regulation (EC) No 1907/2006, No. 552/2009, No. 494/2011, No. 835/2012 and No. 2016/217 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended	PASS
Phthalates Content – Entry 51 of Annex XVII of European Regulation (EC) No. 1907/2006, No. 552/2009 and No. 2018/2005 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (Former Known as Directive 2005/84/EC)	PASS
Nonylphenol Ethoxylates and Nonylphenol Content – Entry 46 and 46a of Annex XVII of European Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended	PASS
Short Chain Chlorinated Paraffins (Alkanes C10-C13, Chloro) (SCCPs) Content – Regulation (EU) No 2019/1021 of The European Parliament And of The Council Of 20 June 2019 On Persistent Organic Pollutants	PASS
Flame Retardants Content – UK, France, Spain, EU REACH Regulation EC No 1907/2006 annex XVII and its amendment no 4, 7, 8 & 45 & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended; (EU) 2019/1021 and its amendments	PASS

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COMPONENT BREAKDOWN LIST:

Test Item	Component Description
A	Rug
A1	Black plastic (On back)
A2	White foam (Interlining)
A3	Black fabric (Face)
A4	Grey fabric (Back)
A5	Black fabric (Binding)

TEST RESULT:

1. **Total Lead Content – Entry 63 of Annex XVII of European Regulation (EC) No 1907/2006, EU 836/2012 and EU 2015/628 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended**

Test Item	Classification	Total Lead (Pb) (mg/kg)		Conclusion
		Result	Limit	
A1#+A2#	Accessible substrate	ND	500	PASS

ND= Not detected (Laboratory detection limit=10mg/kg)

Method: The sample was digested with acid mixture and analyzed by Atomic Absorption Spectrophotometer / Inductively Coupled Argon Plasma Spectrometer / Inductively Coupled Plasma Mass Spectrometer.

Note: mg/kg = milligram per kilogram
“<” = less than

2. **Total Cadmium Content – Entry 23 of Annex XVII of European Regulation (EC) No 1907/2006, No. 552/2009, No. 494/2011, No. 835/2012 and No. 2016/217 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended**

Test Item	Classification	Total Cadmium (Cd) (mg/kg)		Conclusion
		Result	Limit	
A1#+A2#	Plastics	ND	100	PASS

ND= Not detected (Laboratory detection limit=10mg/kg)

Method: Plastic - EN 1122: 2001, Method B
Paint / Metal - Sample was digested with acid
The Cadmium content was analyzed Atomic Absorption Spectrophotometer / Inductively Coupled Argon Plasma Spectrometer / Inductively Coupled Plasma Mass Spectrometer.

Note: mg/kg = milligram per kilogram
“<” = less than

Modern Testing Services (Dongguan) Limited

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3. Phthalates Content – Entry 51 of Annex XVII of European Regulation (EC) No. 1907/2006, No. 552/2009 and No. 2018/2005 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (Former Known as Directive 2005/84/EC)

Test Item	Result (%) (Remark)					Conclusion
	DBP	BBP	DEHP	DIBP	Total	
A1#+A2#	ND	ND	ND	ND	<0.020	PASS
Limit	-	-	-	-	0.1	-

ND= Not detected (Laboratory detection limit=0.005%)

List of Phthalates:

Chemical Name	CAS No.	Chemical Name	CAS No.
Dibutyl phthalate (DBP)	84-74-2	Di-2-ethylhexyl phthalate (DEHP)	117-81-7
Butyl benzyl phthalate (BBP)	85-68-7	**Di-iso-butyl phthalate (DIBP)	84-69-5

Method: 1) For plasticized or softened material on textile:
With reference to ISO 14389:2022.
2) For other polymeric material:
With reference to EN 14372:2004 Section 6.3.2.

Note: % = percentage
“<” = less than
“>” = more than

4. Nonylphenol Ethoxylates and Nonylphenol Content – Entry 46 and 46a of Annex XVII of European Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended

Test Item	Result (%)		Conclusion
	Nonylphenol ethoxylates (NPEO)	Nonylphenol (NP)	
A3#+A4#+A5#	ND	ND	PASS
Limit	0.1	0.1	-

ND = Not Detected (Laboratory Reporting Limit: NPEO=0.002%, NP=0.001%)

Note: NPEO limit is 0.01% for textile articles which can reasonably be expected to be washed in water during their normal lifecycle.

Method: Sample was extracted with organic solvent and then analyzed by Gas Chromatograph Mass Spectrometer / Liquid Chromatograph Mass Spectrometer.

Note: % = percentage
“<” = less than

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5. Short Chain Chlorinated Paraffins (Alkanes C10-C13, Chloro) (SCCPs) Content – Regulation (EU) No 2019/1021 of The European Parliament And of The Council Of 20 June 2019 On Persistent Organic Pollutants

Test Item	SCCPs (C10-C13) (mg/kg)		Conclusion
	Result	Limit	
A1 [#] +A2 [#]	ND	1500	PASS

ND = Not detected (Laboratory Reporting Limit = 100 mg/kg)

Method: With Reference to ISO 18219-1: 2021

Note: mg/kg = milligram per kilogram
“<” = less than

6. Flame Retardants Content – UK, France, Spain, EU REACH Regulation EC No 1907/2006 annex XVII and its amendment no 4, 7, 8 & 45 & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended; (EU) 2019/1021 and its amendments

Test Item	Result (%)						Conclusion
	TRIS	TEPA	PBBs	OctaBDE	HBCDD	Hexabromo biphenyl	
A1 [#] +A2 [#]	ND	ND	ND	ND	ND	<0.001	PASS
A3 [#] +A4 [#] + A5 [#]	ND	ND	ND	ND	ND	<0.001	PASS
Limit	Usage Banned	Usage Banned	Usage Banned	0.1	0.01	Usage Banned	-

Test Item	Result (%)						Conclusion
	TetraBDE	PentaBDE	HexaBDE	HeptaBDE	DecaBDE	Sum	
A1 [#] +A2 [#]	ND	ND	ND	ND	ND	<0.005	PASS
A3 [#] +A4 [#] + A5 [#]	ND	ND	ND	ND	ND	<0.005	PASS
Limit	-	-	-	-	-	0.05	-

ND = Not detected (Laboratory Reporting Limit = 0.001%)

List of Flame Retardants:

Chemical Name	CAS No.	Chemical Name	CAS No.
Tris-(2,3-dibromopropyl) phosphate (TRIS)	126-72-7	Tetrabromodiphenyl ether (TetraBDE)	5436-43-1
Tris-azirdinyl phosphin oxide (TEPA)	545-55-1	Pentabromodiphenyl ether (PentaBDE)	60348-60-9
Polybrominated Biphenyls (PBBs)	59536-65-1	Hexabromodiphenyl ether (HexaBDE)	68631-49-2, 207122-15-4

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Chemical Name	CAS No.	Chemical Name	CAS No.
Octabromodiphenyl ether (OctaBDE)	32536-52-0	Heptabromodiphenyl ether (HeptaBDE)	446255-22-7 207122-16-5
Decabromodiphenyl ether (Deca-BDE)	1163-19-5	Hexabromobiphenyl	36355-01-8
Hexabromocyclododecane (HBCDD) [CAS No.25637-99-4] including:			
1,2,5,6,9,10- hexabromocyclododecane	3194-55-6	alpha-hexabromocyclododecane	134237-50-6
beta-hexabromocyclododecane	134237-51-7	gamma-hexabromocyclododecane	134237-52-8

Method: Sample was extracted with organic solvent and analyzed by Gas Chromatograph Mass Spectrometer / Liquid Chromatograph Mass Spectrometer.

Note: % = percentage
 “<” = less than

= Results of items A1-A5 in this report were transferred from items A1-A5 of Report No. EFW724092152.

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

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Test uncertainties not reported are at client's disposal, for those in which it is possible to evaluate or estimate the test uncertainty. The statement of conformity is based on a 95% coverage probability for the expanded uncertainty of the measured result (guard band):

Rule 1:

For any requirement state to be "Maximum"

PASS - The measured result is below a specification limit minus guard band.

INCONCLUSIVE - The measured result is inside the guard band and below the specification limit and the measured result is above the specification limit but below the specification limit added to the guard band.

FAIL - The measured result is above a specification limit added to the guard band.

DATA - There is no specification limit required which is not possible to state the conformity.

Rule 2:

For any requirement state to be "Minimum"

PASS - The measured result is above a specification limit plus guard band.

INCONCLUSIVE - The measured result is inside the guard band and above the specification limit and the measured result is below the specification limit but above the specification limit added to the guard band.

FAIL - The measured result is below a specification limit minus guard band.

DATA - There is no specification limit required which is not possible to state the conformity.

Rule 3:

For any requirement state to be "a range (Between Upper to Lower specification limit)"

PASS - The measured result is within a range of upper and lower acceptance limit.

INCONCLUSIVE - The measured result is inside the guard band at either side of specification limits

FAIL - The measured result is outside a specification limit minus/added to the guard band.

DATA - There is no specification limit required which is not possible to state the conformity.

Rule 4:

For any test based on subjective grading of results by using 9-point scale

PASS - The measured result is above specification limit.

FAIL - The measured result is below a specification limit.

DATA - There is no specification limit required which is not possible to state the conformity.

If there is question or concern regarding the above results, please contact the appropriate lab person below:

General question & concern:

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