

ULR-TC659820000006443F
Test Report No.RPT/T(LA)/20/005961
Dated 2020-06-27



ULR-TC65982000006443F
Test Report No.RPT/T(LA)/20/005961
Dated 2020-06-27

Applicant : **UTTAM POLYRUBS INDIA (P) LTD**
255Lallikuppam Road
Chettithangal Village ,
Ranipet;Tamil Nadu-632404
India

Attention : Mr. Ragu,

Test Sample : Received on 2020-06-13 4:14 pm

Test Period : 2020-06-20 to 2020-06-27

Sample Description : Sample A:RUBBER OUTSOLE (HYTEST) in Color : BLACK

Material/Leather End use : SHOE

Name of Buyer/ Destination : **Self Reference (Wolverine World Wide)**

Note : The submitted Samples were not drawn by laboratory.

Unless otherwise agreed upon, PASS or FAIL verdicts are given based on the measured values without any considerations of measurement uncertainties. Every test method has a measurement uncertainty which has been evaluated by the laboratory and are available on request. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as PASS nor as FAIL.

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Note: The test report is electronically generated. Hence original signature is not required.

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Purpose of Examination / Conclusion

Test	Results
Phthalates	PASS
Organotin Compounds	PASS
Total Cadmium Content	PASS
Total Lead Content	PASS
Polycyclic Aromatic Hydrocarbons (PAHs)	PASS
Alkylphenols and Alkylphenols Ethoxylates	PASS
Soluble Heavy Metals	PASS

Authorised By



C. Arun
 (Authorised Signatory)

Please contact :
 For any technical issues : R Mahalakshmi at Mahalakshmi.R@tuv-sud.in
 For any complaint : Rajasekar M at Rajasekar.M@tuv-sud.in.

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Material List (As Identified By Laboratory)

Material No.	Component	Material	Color	Remark
A1	Rubber Outsole	Polymer	Black	

Result Conclusion

Test	Composite Sampling (Material No.)	Conclusion	Remarks
Phthalates	A1	PASS	
Organotin Compounds	A1	PASS	
Total Cadmium Content	A1	PASS	
Total Lead Content	A1	PASS	
Polycyclic Aromatic Hydrocarbons (PAHs)	A1	PASS	
Alkylphenols and Alkylphenols Ethoxylates	A1	PASS	
Soluble Heavy Metals	A1	PASS	

1.0 Phthalates

Test Method : Based on CPSC-CH-C1001.09.4 : 2018, Equipment Used: GC-MS

Analytes	CAS No.	A1 (ppm)
Di-butyl Phthalate(DBP)	84-74-2	Not Detected
Bis-(2-Ethyl Hexyl)Phthalate (DEHP)	117-81-7	Not Detected
Benzyl Butyl Phthalate (BBP)	85-68-7	Not Detected
Di-iso nonyl Phthalate(DINP)	28553-12-0 / 68515	Not Detected
Di-n-octyl Phthalate(DNOP)	117-84-0	Not Detected
Di-iso decyl Phthalate(DIDP)	26761-40-0, 68515	Not Detected
Di-n-hexyl Phthalate(DnHP)	84-75-3	Not Detected
Sum of All		Not Detected

Client Specification
Sum 1000 ppm

Limit of Quantification: 100 ppm

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2.0 Organotin Compounds

Test Method : Based on ISO/TS 16179 : 2012, Equipment used: GC-MS

Analytes	CAS No.	A1 (ppm)
Tricyclohexyltin (TCyT)	3091-32-5	Not Detected
Trioctyltin (TOT)	2587-76-0	Not Detected
Trimethyltin (TMT)	993-16-8	Not Detected
Dibutyltin (DBT)	1002-53-5	Not Detected
Dioctyltin (DOT)	15231-44-4	Not Detected
Tributyltin (TBT)	56573-85-4	Not Detected
Triphenyltin (TPhT)	900-95-8	Not Detected

Limit of Quantification: 0.025 ppm
Requirement;

TBT, TPhT: 0.5 ppm; DBT, DOT: 1000 ppm; Sum of Tri substituted Tin compounds <1000 ppm

**Client
Specification**
Refer Requirement

3.0 Total Cadmium Content

Test Method : Based on EN 1122 : 2001, Equipment Used: ICP-OES

Analytes	CAS No.	A1 (ppm)
Cadmium	7440-43-9	<10

Limit of Quantification: 10 ppm

**Client
Specification**
100 ppm

4.0 Total Lead Content

Test Method : Based on With reference to CPSC-CH-E1001-08.1 for metal, CPSC-CH-E1002-08.1 for non-metal and CPSC-CH-E1003-09.1 for paint and surface coating, screening, Equipment Used: ICP-OES

Analytes	CAS No.	A1 (ppm)
Lead	7439-92-1	<10

Limit of Quantification: 10 ppm

**Client
Specification**
100 ppm

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5.0 Polycyclic Aromatic Hydrocarbons (PAHs)

Test Method : Based on AfPS GS 2014:01 PAK, Equipment used: GC MS

		A1 (ppm)	Client Specification
Anthracene	120-12-7	Not Detected	Total 10 ppm
Pyrene	129-00-0	Not Detected	
Benzo[a]anthracene	56-55-3	Not Detected	
Benzo[a]pyrene	50-32-8	Not Detected	
Benzo[b]fluoranthene	205-99-2	Not Detected	
Benzo[e]pyrene	192-97-2	Not Detected	
Benzo[j]fluoranthene	205-82-3	Not Detected	
Fluoranthene	206-44-0	Not Detected	
Benzo[k]fluoranthene	207-08-9	Not Detected	
Chrysene	218-01-9	Not Detected	
Dibenzo[a,h]anthracene	53-70-3	Not Detected	
Fluorene	86-73-7	Not Detected	
Acenaphthene	83-32-9	Not Detected	
Acenaphthylene	208-96-8	Not Detected	
Benzo[ghi]perylene	191-24-2	Not Detected	
Indeno[1,2,3-cd]pyrene	193-39-5	Not Detected	
Napthalene	91-20-3	1.57	
Phenanthrene	85-01-8	Not Detected	
Sum of PAH	-	1.57	

Limit of Quantification: 0.2 ppm

6.0 Alkylphenols and Alkylphenols Ethoxylates

Test Method: Polymers: extraction with solvent, Textile: ISO 18254-1 and Leather: ISO 18218-1, Equipment used: GC-MS

		A1 (ppm)	Client Specification
NP (Nonyl Phenols)	104-40-5	Not Detected	100 ppm
OP (Octyl Phenols)	1806-26-4	Not Detected	

Limit of Quantification: NP, OP: 10 mg/kg

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7.0 Soluble Heavy Metals

Test Method : Based on ISO 105 E04 : 2013, Equipment Used: ICP-OES

	A1 (ppm)	Limit of Quantification (ppm)	Client Specification
Arsenic (As)	<0.1	0.1	0.2 ppm
Cadium (Cd)	<0.01	0.01	0.1 ppm
Chromium (Cr)	<0.1	0.1	1 ppm
Copper (Cu)	<2.5	2.5	25 ppm
Lead (Pb)	<0.1	0.1	0.2 ppm
Mercury (Hg)	<0.02	0.02	0.02 ppm

- END OF TEST REPORT-

