



REPORT FROM INTERTEK INDIA PVT. LTD

Applicant: **RAND POLYPRODUCTS PVT. LTD/PUNE**
3A/2. Old Gate No. 1649, Village Ghotawade,
Pune, Maharashtra, 412108, India

ATT’N: Nayak U.V, Rajiv Dongre,

Sample Description:
The submitted samples said to be: One Piece of ENCAST 1134_HPU34

Test Components:
[A]: ENCAST 1134_HPU34

Buyer	:	Not provided
Color	:	[A]: ENCAST 1134_HPU34
Qty.	:	Not provided
Batch no.	:	SS201201
Customer	:	Not provided
Manufacturer’s name	:	Not provided
Age group	:	Not provided
Product stage	:	Not provided
End use	:	Not provided
Type	:	PU
Nature	:	Solid Casting
Country of destination	:	Not provided
Date Received/Date Test	:	11 th Dec 2020
Started	:	

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TESTS CONDUCTED:

As requested by the applicant, refer to attached page(s) for details.
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CONCLUSION:

<u>TESTED SAMPLE</u>	<u>STANDARD</u>	<u>RESULTS</u>
A	RoHS Annex II of 2011/65/EU and Amendment (EU) 2015/863 RoHS-3	Pass

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AUTHORIZED BY
FOR INTERTEK INDIA PRIVATE LIMITED [ANALYTICAL – BANGALORE]



AATHEESWARAN S
Laboratory Manager - Analytical

Test Result Summary :

Test Item	Unit	Test Method	Result	RL
			(A)	
Heavy Metal				
Cadmium (Cd) Content	ppm	With reference to IEC 62321-5: 2013, by microwave or acid digestion and determined by ICP-OES.	ND	2
Lead (Pb) Content	ppm	With reference to IEC 62321-5: 2013, by microwave or acid digestion and determined by ICP-OES.	ND	2
Mercury (Hg) Content	ppm	With reference to IEC 62321-4:2013+AMD1:2017, by microwave or acid digestion and determined by ICP-OES.	ND	2
Chromium VI (Cr6+) Content	ppm	With reference to IEC 62321-7-2: 2017, organic solvent was used to dissolve or swell sample matrix, followed by alkaline digestion and determined by UV-Vis Spectrophotometer.	ND	1

Test Item	Unit	Test Method	Result	RL
			(A)	
Polybrominated Biphenyls (PBBs)				
Monobrominated Biphenyls (MonoBB)	ppm	With reference to IEC 62321-6: 2015, by solvent extraction and determined by GC-MS and further HPLC-DAD confirmation when necessary.	ND	5
Dibrominated Biphenyls (DiBB)	ppm		ND	5
Tribrominated Biphenyls (TriBB)	ppm		ND	5
Tetrabrominated Biphenyls (TetraBB)	ppm		ND	5
Pentabrominated Biphenyls (PentaBB)	ppm		ND	5
Hexabrominated Biphenyls (HexaBB)	ppm		ND	5
Heptabrominated Biphenyls (HeptaBB)	ppm		ND	5
Octabrominated Biphenyls (OctaBB)	ppm		ND	5
Nonabrominated Biphenyls (NonaBB)	ppm		ND	5
Decabrominated Biphenyl (DecaBB)	ppm		ND	5
Polybrominated Diphenyl Ethers (PBDEs)				
Monobrominated Diphenyl Ethers (MonoBDE)	ppm	With reference to IEC 62321-6: 2015, by solvent extraction and determined by GC-MS and further HPLC-DAD confirmation when necessary.	ND	5
Dibrominated Diphenyl Ethers (DiBDE)	ppm		ND	5
Tribrominated Diphenyl Ethers (TriBDE)	ppm		ND	5
Tetrabrominated Diphenyl Ethers (TetraBDE)	ppm		ND	5
Pentabrominated Diphenyl Ethers (PentaBDE)	ppm		ND	5
Hexabrominated Diphenyl Ethers (HexaBDE)	ppm		ND	5
Heptabrominated Diphenyl Ethers (HeptaBDE)	ppm		ND	5
Octabrominated Diphenyl Ethers (OctaBDE)	ppm		ND	5
Nonabrominated Diphenyl Ethers (NonaBDE)	ppm		ND	5
Decabrominated Diphenyl Ether (DecaBDE)	ppm		ND	5

Test Item	Unit	Test Method	Result	RL
			(A)	
Phthalates				
Di(2-ethylhexyl) Phthalate (DEHP)	ppm	With reference to IEC 62321-8:2017, by solvent extraction and determined by GC-MS.	ND	50
Dibutyl Phthalate (DBP)	ppm		ND	50
Benzyl Butyl Phthalate (BBP)	ppm		ND	50
Diisobutyl Phthalate (DIBP)	ppm		ND	50

Remarks:	ppm	=	Parts per million based on weight of tested sample = mg/kg
	ND	=	Not detected
	RL	=	Reporting limit, quantitation limit of analyte in sample
	*	=	Failed component

RoHS Limit:

Restricted Substances	Limits
Cadmium (Cd) content	0.01% (100ppm)
Lead (Pb) content	1000 ppm (40000 ppm FOR BRASS/COPPER MATERIAL) (3500 ppm FOR STEEL) (4000 ppm FOR ALUMINIUM)
Mercury (Hg) content	0.1% (1000ppm)
Chromium VI (Cr6+) content	0.1% (1000ppm)
Polybrominated Biphenyls (PBBs)	0.1% (1000ppm)
Polybrominated Diphenyl Ethers (PBDEs)	0.1% (1000ppm)
Di(2-ethylhexyl) Phthalate (DEHP)	0.1% (1000ppm)
Dibutyl Phthalate (DBP)	0.1% (1000ppm)
Benzyl Butyl Phthalate (BBP)	0.1% (1000ppm)
Diisobutyl Phthalate (DIBP)	0.1% (1000ppm)

The limits were quoted from Annex II of 2011/65/EU and Amendment (EU) 2015/863 for homogeneous material.

END OF TEST REPORT

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Intertek India Private Limited