





Certificate No. T-1849

Industry Services

Prüfbericht - Nr.: <i>Test Report No.:</i>		IND/BLR/CH/2013/04621		Seite 1 von 3 <i>Page 1 of 3</i>	
Auftraggeber: <i>Client:</i>		Excel Earthings 7/729 (A), Mannuthy, Thrissur - 680 651 .Kerala, India			
Gegenstand der Prüfung: <i>Test item:</i>		Earthing compound (backfill for earth electrode surroundings in the soil)			
Bezeichnung: <i>Identification:</i>		-		Serien-Nr.: <i>Serial No./Document</i> Email dated 14.10.2013 <i>Submitted:</i>	
Wareneingangs-Nr.: <i>Receipt No.:</i>		11102013		Eingangsdatum: <i>Date of receipt:</i> 11.10.2013	
Order No.:		180301		<i>Test Period:</i> 15.10.2013-17.10.2013	
Prüfart: <i>Testing location:</i>		TÜV Rheinland India Pvt Ltd, Plot No.17B, Electronic City, Phase 2, East Wing, Hosur Road, Bangalore - 560 100, Karnataka, India.			
Prüfgrundlage: <i>Test specification:</i>		Customer's requirement : Restriction of the use of Hazardous Substances Directive (RoHS-2), 2011/65/EU, Amended directive updated to date.			
Prüfergebnis: <i>Test Result:</i>		PASS			
Prüflaboratorium/ Testing Laboratory:					
zusammengestellt/ compiled by:			kontrolliert/ checked by:		
 18.10.2013 Rajesh Jain Technical Head, Material Testing Laboratories, Industry Services			 18.10.2013 Nagendra Hebbar Head, Material Testing Laboratories, Industry Services		
Datum <i>Date</i>	Name <i>Name</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name <i>Name</i>	Unterschrift <i>Signature</i>
Sonstiges/ Other Aspects:					
Abkürzungen: ok / P = entspricht Prüfgrundlage fail / F = entspricht nicht Prüfgrundlage n.a. / N = nicht anwendbar			Abbreviations: ok / P = passed fail / F = failed n.a. / N = not applicable		
<p>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</p> <p><i>This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products. Sampling not done by TUVRI. Test item submitted by client</i></p>					



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TEST RESULTS

Heavy Metals:

Test Methods: IEC 62321 Ed.,1, 2008, ICP-OES for Total Cadmium, Lead, Mercury, Chromium IEC 62321 Ed.,1, 2008, Spectrophotometer for Hexavalent Chromium					
Sample No.	Unit	Total Cadmium	Hexavalent Chromium	Total Mercury	Total Lead
Sample 001	mg/kg	ND	ND	ND	ND
RoHS Limit, Max.	mg/kg	100	1000	1000	1000

Limit of Detection : Total Cadmium, Lead, Mercury, Hexavalent Chromium : 1 mg/kg
 Abbreviation : "mg/kg" denotes milligram per kilogram
 "ND" denotes not detected
 Sample 001: Test Sample

PBB's and PBDE's:

Test Methods: IEC 62321 Ed.,1, 2008, GC-MS for PBB's and PBDE's		
Flame Retardants		Results, mg/kg
PBBs	Bromobiphenyl	ND
	Dibromobiphenyl	ND
	Tribromobiphenyl	ND
	Tetrabromobiphenyl	ND
	Pentabromobiphenyl	ND
	Hexabromobiphenyl	ND
	Heptabromobiphenyl	ND
	Octabromobiphenyl	ND
	Nonabromobiphenyl	ND
	Decabromobiphenyl	ND
	Sum of PBB's	< 2.5
	RoHS Limit, Sum of PBB's	1000
PBDEs	Bromodiphenylether	ND
	Dibromodiphenylether	ND
	Tribromodiphenylether	ND
	Tetrabromodiphenylether	ND
	Pentabromodiphenylether	ND
	Hexabromodiphenylether	ND
	Heptabromodiphenylether	ND
	Octabromodiphenylether	ND
	Nonabromodiphenylether	ND
	Decabromodiphenyl ether	ND
	Sum of PBDE's	< 2.5
	RoHS Limit, Sum of PBDE's	1000

Limit of Detection : PBB's & PBDE's – 0.25 mg/kg Each
 Abbreviation : "mg/kg" denotes milligram per kilogram, "ND" denotes not detected

Remarks: The test sample listed above has been verified to comply with the requirements of employed directive 2011/65/EU (RoHS2) (Earlier 2002/95/EC, RoHS Directive)



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Test item Photograph:



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