



Prüfbericht - Nr.: Test Report No.:		0101-02487-23-01		Seite 1 von 4 Page 1 of 4			
ULR No:		TC568823500248701F					
Auftraggeber: Client:		Sapphire Reclaim Rubber Pvt. Ltd. Plot No. 1/43 & 1/44, Bhoomi Industrial Area, N.H. 27, Veraval (Shapar) Rajkot-360 024					
Kunden-referenz-Nr.: Client reference no.:		Email 2023-09-27		Auftrags-Nr: Order no.:		146834922	
Gegenstand der Prüfung: Test item:		BUTYL RECLAIM RUBBER		Auftragsdatum: Order date.:		2023-09-27	
Bezeichnung Typ-Nr.: Identification / Type No.:		-		wareneingangsdatum: Date of sample receipt:		2023-09-27	
Auftrags-Inhalt: Order content:		Chemical Test		Prüfmuster-Nr: Test sample no.:		0101-02487-23-01	
Prüfgrundlage: Test specification:		Customer Requirement: RoHS Directive Compliance: Restriction of the use of Hazardous Substances Directive 2011/65/EU, RoHS2 with its Amendment Directive 2015/863/EU.		prüfzeitraum Testing Period:		2023-09-27 To 2023-10-03	
Ort der Prüfung: Place of testing:		Plot No. 27B, 2 nd Cross, Electronic City Phase1, Hosur Road, Bangalore - 560 100, Karnataka, India					
Prüflaboratorium: Testing laboratory:		TÜV Rheinland (India) Private Limited					
Prüfergebnis: Test Result:		PASS					
Zusammengestellt: compiled by		m. Suresh M		Genehmigt von: authorized by:		J. Jain Rajesh Jain B	
Datum: Date:		2023-10-03		Ausstelldatum: Issue date:		2023-10-03	
Stellung / Position:		Asst. Manager Material Testing Laboratory		Stellung / Position:		Asst. General Manager Material Testing Laboratory	
Sonstiges/ Other: Nil							
Zustand des prüfgegenstandes bei Anlieferung: Condition of the test item at the time of delivery: Good							
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 test mark. Test item submitted by client. Sampling not done by TUVRI. 'Laboratory employs simple acceptance rule in making Pass or Fail decisions on test results with no guard band'.</i></p>							



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TEST RESULTS

Discipline: Chemical. Product Group: Hazardous & Restricted Chemicals

1. Heavy Metals:

Test Methods: IEC 62321-4:2017 for Mercury, IEC 62321-5:2014 for Total Lead, Cadmium, Chromium by ICP-OES, IEC 62321-7-2:2017 : spectrophotometer for Hexavalent Chromium.

Sample No.	Unit	Total Cadmium	Hexavalent Chromium (Cr(VI))	Total Mercury	Total Lead
Sample-001-Nonmetal	mg/kg	ND	ND	ND	ND
RoHS Limit, Max.	mg/kg	100	1000	1000	1000

Limit of Quantification : Total Cadmium, Lead, Hexavalent Chromium : 50 mg/kg and Mercury: 10 mg/kg
Abbreviation: "IEC" denotes International Electrotechnical Commission, "ND" denotes not detected, "ICP-OES" denotes Inductively Coupled Plasma-Optical Emission Spectrometer, "mg/kg" denotes milligram per kilogram,

2. PBBs and PBDEs:

Test Methods: IEC 62321-6:2015, GC-MS for PBBs and PBDEs

Flame Retardants		Results, Sample 001, mg/kg.
PBBs	Bromobiphenyl	ND
	Dibromobiphenyl	ND
	Tribromobiphenyl	ND
	Tetrabromobiphenyl	ND
	Pentabromobiphenyl	ND
	Hexabromobiphenyl	ND
	Heptabromobiphenyl	ND
	Octabromobiphenyl	ND
	Nonabromobiphenyl	ND
	Decabromobiphenyl	ND
	RoHS Limit, Sum of PBB's, mg/kg	1000
PBDEs	Bromodiphenylether	ND
	Dibromodiphenylether	ND
	Tribromodiphenylether	ND
	Tetrabromodiphenylether	ND
	Pentabromodiphenylether	ND
	Hexabromodiphenylether	ND
	Heptabromodiphenylether	ND
	Octabromodiphenylether	ND
	Nonabromodiphenylether	ND
	Decabromodiphenyl ether	ND
	RoHS Limit, Sum of PBDE's, mg/kg	1000

Limit of Quantification : PBBs & PBDEs: 50 mg/kg Each

Abbreviation : "mg/kg" denotes milligram per kilogram, "ND" denotes not detected, "IEC" denotes International Electrotechnical Commission.



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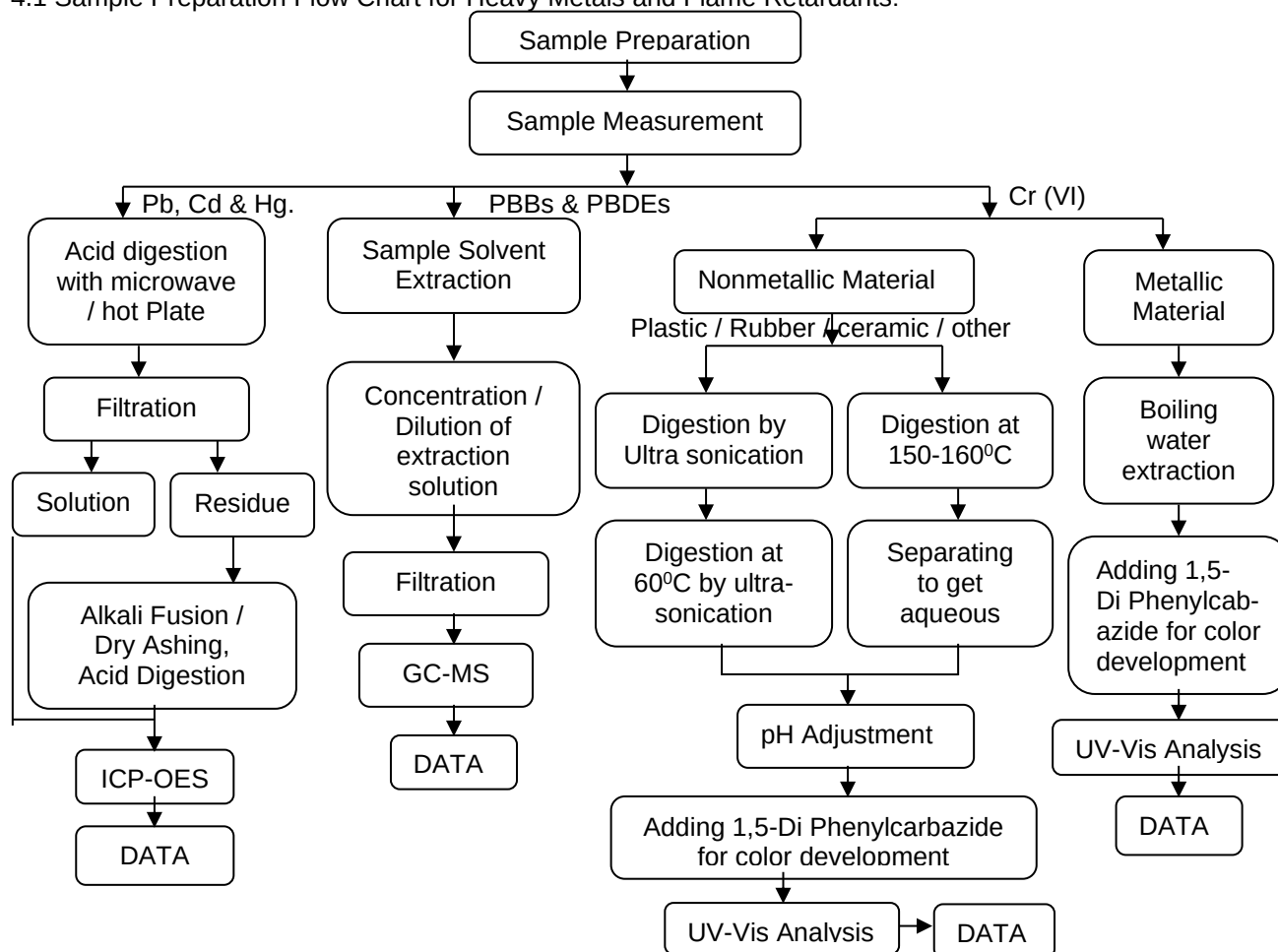
3. Phthalates: Sample-001

Sl.no	Test / Parameter	Unit	Limit	Results	Test Method
1	Dibutyl Phthalate(DBP)	mg/kg	1000	ND	IEC 62321-8:2017, GC-MS
2	Benzyl Butyl Phthalate(BBP)		1000	ND	IEC 62321-8:2017, GC-MS
3	Diethyl Hexyl Phthalate(DEHP)		1000	ND	IEC 62321-8:2017, GC-MS
4	Di Iso Butyl Phthalate(DiBP)		1000	ND	IEC 62321-8:2017, GC-MS

Note: Limit of Quantification for each Phthalates: 50 mg/kg, GC-MS Denotes Gas chromatograph Mass spectrometer 'ND'- Denotes 'not detected'. "mg/kg" Denotes milligram per kilogram, "IEC" denotes International Electrotechnical Commission.

Conclusion: The submitted sample complies with the requirements of RoHS Directive 2011/65/EU with its Amendment Directive 2015/863/EU.

4.1 Sample Preparation Flow Chart for Heavy Metals and Flame Retardants:



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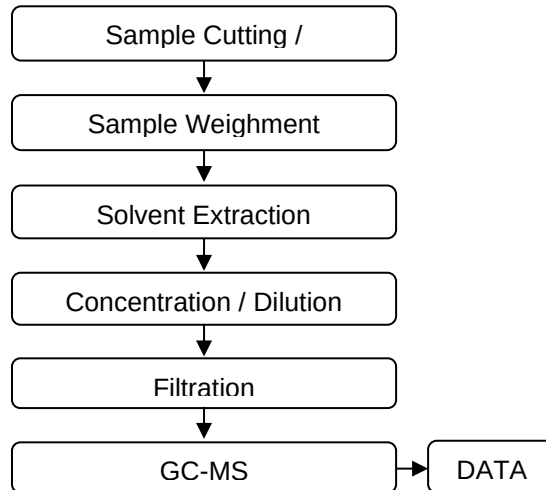
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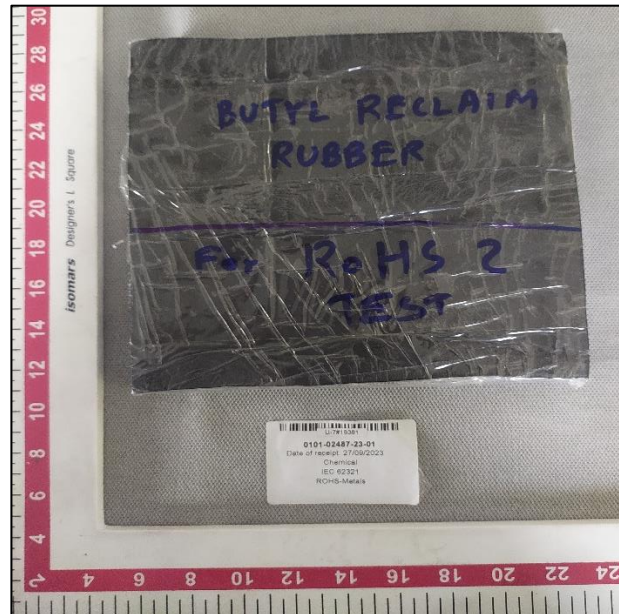
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4.2 Phthalates Testing Flow Chart



5. Test item Photograph:



Sample-001

Photograph of test sample as in received condition

---- End of Test Report ----