

**Test Report****Report No : TUV(I)/NL-667/24-25/NL-1224000003 PI****Date : 06 Dec 2024****ULR : TC1382224000003363F**

Name and address of customer	:	Desiccant rotors International Pvt. Ltd. Plot No. 100-101, Phase-4, Udyog Vihar, Gurgaon, Gurgaon, Haryana Pincode-122015
Reg No.	:	NL-667/24-25
CA No.	:	NL-1224000003
Name of the sample	:	Eco-Dry Media
Batch No./ Code no.	:	-
Discipline	:	Chemical
Product Category	:	Polymer
Date of sample receipt	:	02 Dec 2024
Date(s) of analysis	:	02 Dec 2024 - 06 Dec 2024
Sample drawn by	:	Customer
Objectives of Examination	:	As per RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU
Test Requirement	:	RoHS 10E

Results Summary:

Based on the performed tests on submitted sample(s), the results of Cadmium, Lead, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) **Comply** with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

Authorized by

Inderjit Iyer.

Team Leader – ACMT Lab





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Test Part Description:

Sample No.	Material Description	Remarks
1	Eco-Dry Media	-

Test Results:

Sr. No.	Name of Test	Unit	Result	LOQ	Limits as per (EU) 2015/863
1	Cadmium(Cd)	PPM	ND	10	100
2	Lead (Pb)	PPM	ND	50	1000
3	Mercury (Hg)	PPM	ND	25	1000
4	Hexavalent Chromium (CrVI)	PPM	ND	25	1000
5	Sum of PBBs	PPM	ND	-	1000
5.1	Monobromobiphenyl	PPM	ND	50	-
5.2	Dibromobiphenyl	PPM	ND	50	-
5.3	Tribromobiphenyl	PPM	ND	50	-
5.4	Tetrabromobiphenyl	PPM	ND	50	-
5.5	Hexabromobiphenyl	PPM	ND	50	-
5.6	Pentabromobiphenyl	PPM	ND	50	-
5.7	Heptabromobiphenyl	PPM	ND	50	-
5.8	Octabromobiphenyl	PPM	ND	50	-
5.9	Nonabromobiphenyl	PPM	ND	50	-
5.10	Decabromobiphenyl	PPM	ND	50	-
6	Sum of PBDEs	PPM	ND	-	1000
6.1	Monobromodiphenyl ether	PPM	ND	50	-
6.2	Dibromodiphenyl ether	PPM	ND	50	-
6.3	Tribromodiphenyl ether	PPM	ND	50	-
6.4	Tetrabromodiphenyl ether	PPM	ND	50	-
6.5	Pentabromodiphenyl ether	PPM	ND	50	-
6.6	Hexabromodiphenyl ether	PPM	ND	50	-
6.7	Heptabromodiphenyl ether	PPM	ND	50	-
6.8	Octabromodiphenyl ether	PPM	ND	50	-
6.9	Nonabromodiphenyl ether	PPM	ND	50	-
6.10	Decabromodiphenyl ether	PPM	ND	50	-
	Phthalates				
7	Dibutyl phthalate (DBP)	PPM	ND	50	1000
8	Butyl benzyl phthalate (BBP)	PPM	ND	50	1000
9	Bis (2-ethylhexyl) phthalate (DEHP)	PPM	ND	50	1000
10	Diisobutyl Phthalates (DIBP)	PPM	ND	50	1000

Remarks:

- 1mg/kg=0.0001%
- LOQ = Limit of Quantification
- ND = Not Detected, (Considered as <LOQ)
- = not regulated



**Test Method:**

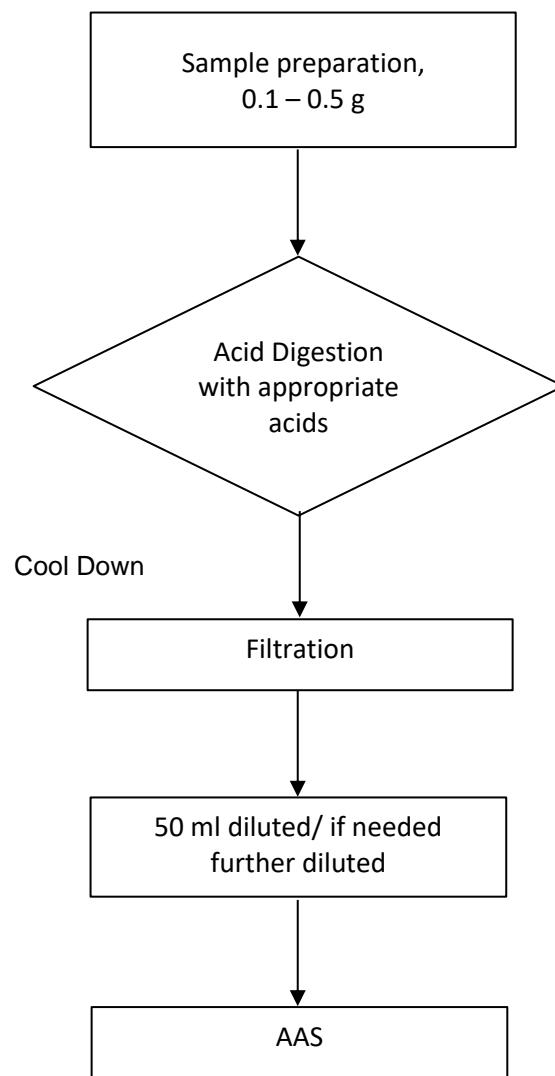
1. IEC 62321-5:2013, Cadmium by AAS.
2. IEC 62321-5:2013, Lead by AAS.
3. IEC 62321-4:2013, Mercury by AAS.
4. IEC 62321-7-2:2017, Hexavalent Chromium by Colorimetric Method using UV-Vis Spectrophotometer and/or with reference to IEC 62321-5:2013, Total Chromium by AAS.
5. IEC 62321-12:2023, PBBs and PBDEs by GC-MS
6. IEC 62321-12:2023, phthalates by GC-MS.

Notes:

1. The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
2. http://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25
3. Test has been performed as per client's request.
4. The result of Hexavalent Chromium (Cr(VI)) is "ND" as the result of Chromium (Cr) is "ND", and confirmation test of Hexavalent Chromium (Cr(VI)) is not required.
5. If the Chromium (Cr) content is greater than the MDL of Hexavalent Chromium (Cr(VI)), confirmation test of Hexavalent Chromium (Cr(VI)) is required.
6. On 13 Mar 2015, Commission Directive (EU) 2015/863 was published in the Official Journal of the European Union (OJEU) to include the phthalates BBP, DBP, DEHP and DIBP into ANNEX II of the RoHS Recast Directive. The new law restricts each phthalate to no more than 0.1% in each homogeneous material of an electrical product.
7. The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.
8. The restriction of DEHP, BBP, DBP and DIBP shall not apply to cables or spare parts for the repair, the reuse, the updating of functionalities or upgrading of capacity of EEE placed on the market before 22 July 2019, and of medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, placed on the market before 22 July 2021.
9. The restriction of DEHP, BBP and DBP shall not apply to toys which are already subject to the restriction of DEHP, BBP and DBP through entry 51 of Annex XVII to Regulation (EC) No 1907/2006.
10. The Process flow for analysis mentioned as under are carried out & verified by authorized personnel.



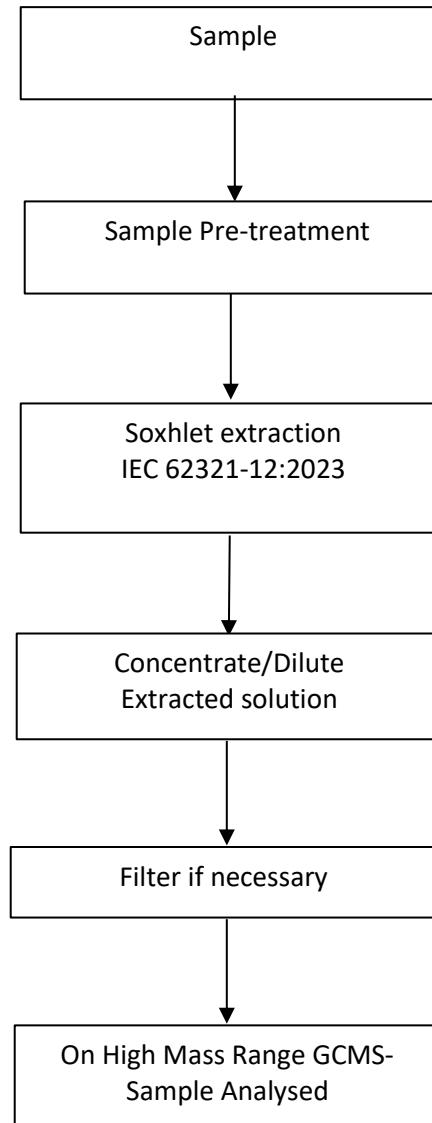
Process Flow for analysis of metal contents in plastics, metals and electronic components sample



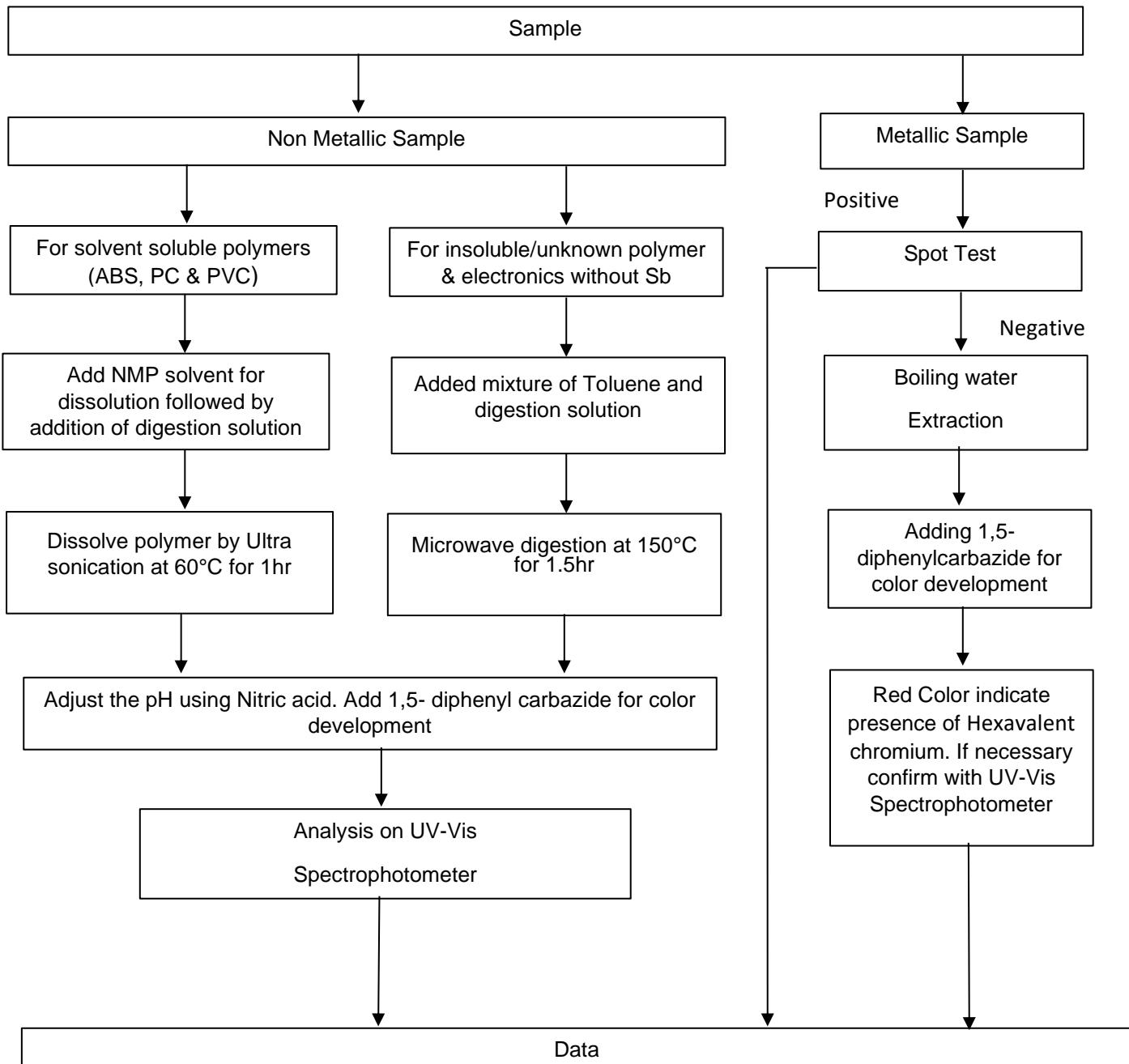
Pradeep



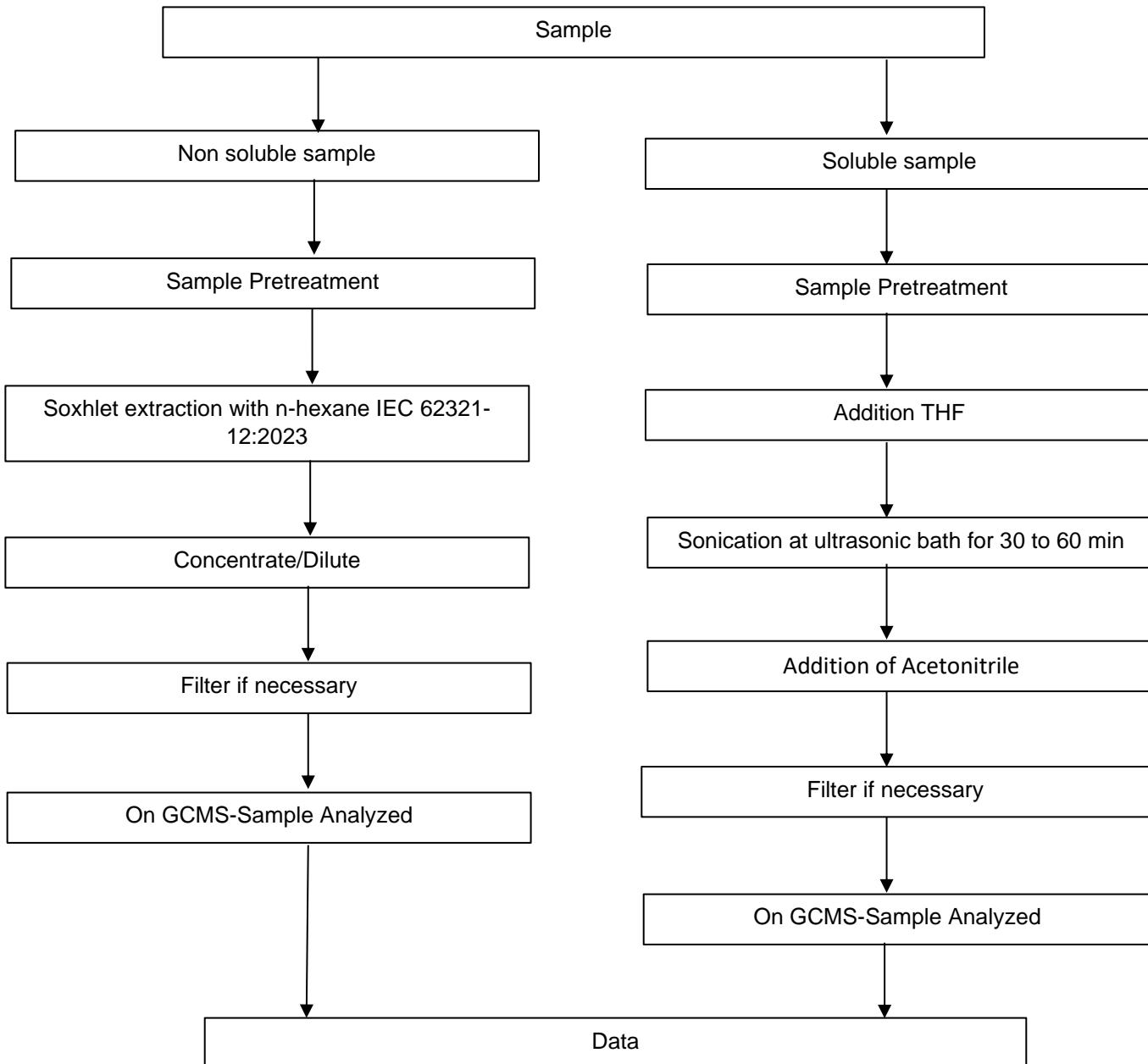
Process Flow for analysis of Flame Retardants in plastics, metals and electronic components sample



Process Flow for analysis of Hexavalent chromium contents in plastics, metals and electronic components sample



Process Flow for analysis of Phthalates using soxhlet Extraction or THF Extraction:



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3. This Certificate reflects our findings at the time and place of testing.
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Rukmini