



Test Report

Report No : TUV(I)/NL-54/25-26/NL-0425000283

Date : 19 Apr 2025

ULR : TC1382225000002106F

Name and address of customer : KHANNA BOND SOLDER MANUFACTURERS PRIVATE LIMITED
D-26, E-20, G-9, SITE-4, KASNA ROAD, GREATER NOIDA
Pincode-201308

Reg No. : NL-54/25-26

CA No. : NL-0425000283

Name of the sample : **Pure Tin**

Batch No./ Code no. : Color :- NA

Discipline : Chemical

Product Category : Metal

Date of sample receipt : 04 Apr 2025

Date(s) of analysis : 14 Apr 2025 - 19 Apr 2025

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

Rabindra Samal.

Assistant Manager- Operation – ACMT Lab



Test Method:

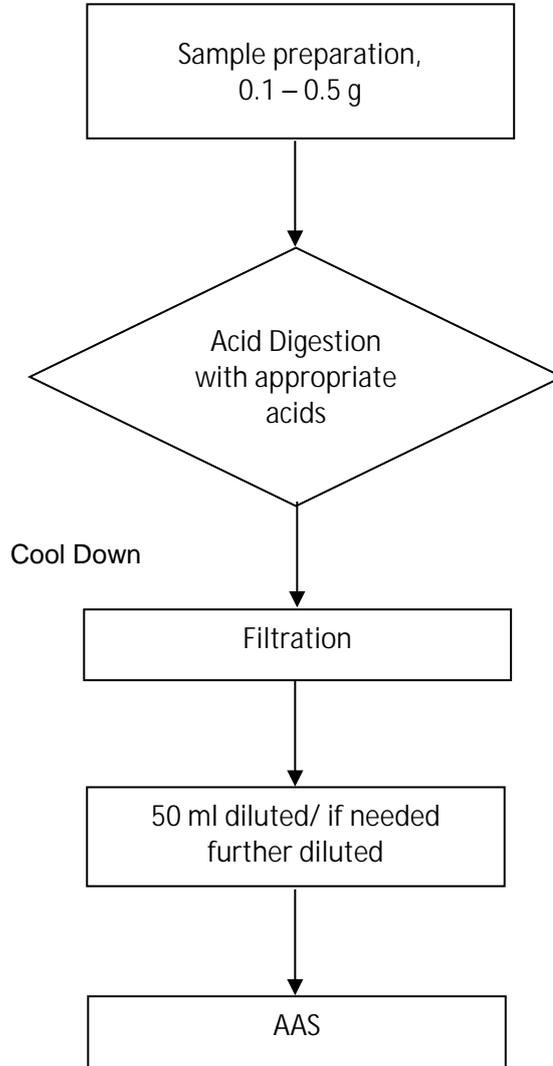
1. IEC 62321-5:2013, Cadmium by AAS.
2. IEC 62321-5:2013, Lead by AAS.
3. IEC 62321-4:2013, Mercury by AAS.
4. IEC 62321-7-1:2017, Hexavalent Chromium by Colorimetric Method using UV-Vis Spectrophotometer and/or with reference to IEC 62321-5:2013, determination of Total Chromium by AAS.
5. IEC 62321-12:2023,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

Notes:

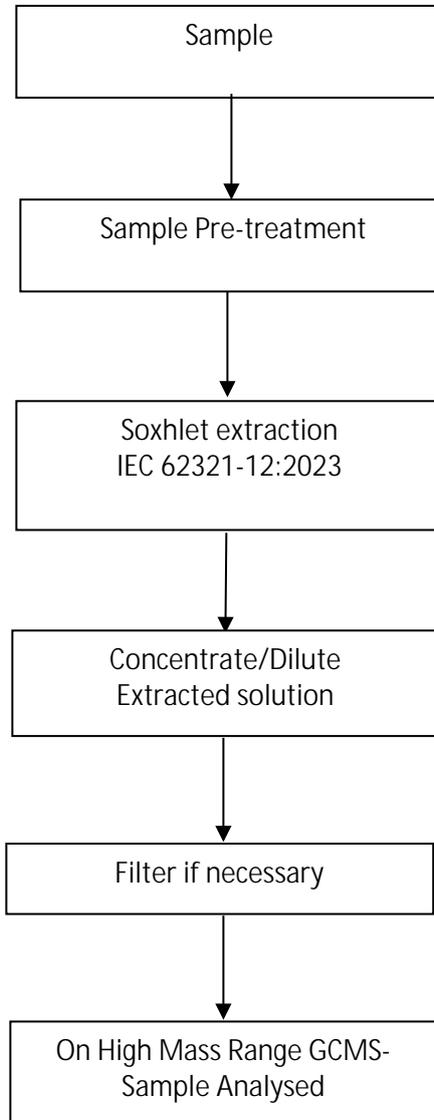
1. The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
2. http://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25
3. Test has been performed as per client's request.
4. The result of Hexavalent Chromium (Cr(VI)) is "ND" as the result of Chromium (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. ▼ = a. The Metals sample is positive for Cr(VI) if the Cr(VI) concentration is greater than 0.13 µg/cm². The sample coating is considered to contain Cr(VI)
b. The sample is negative for Cr(VI) if Cr(VI) is ND (concentration less than 0.10 µg/cm²). The coating is considered a non-Cr(VI) based coating
c. The result between 0.10 µg/cm² and 0.13 µg/cm² is considered to be inconclusive - unavoidable coating variations may influence the determination
Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing
7. On 31 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.
8. 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.
9. 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.
10. 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.
11. The Process flow for analysis mentioned as under are carried out & verified by authorized personnel.



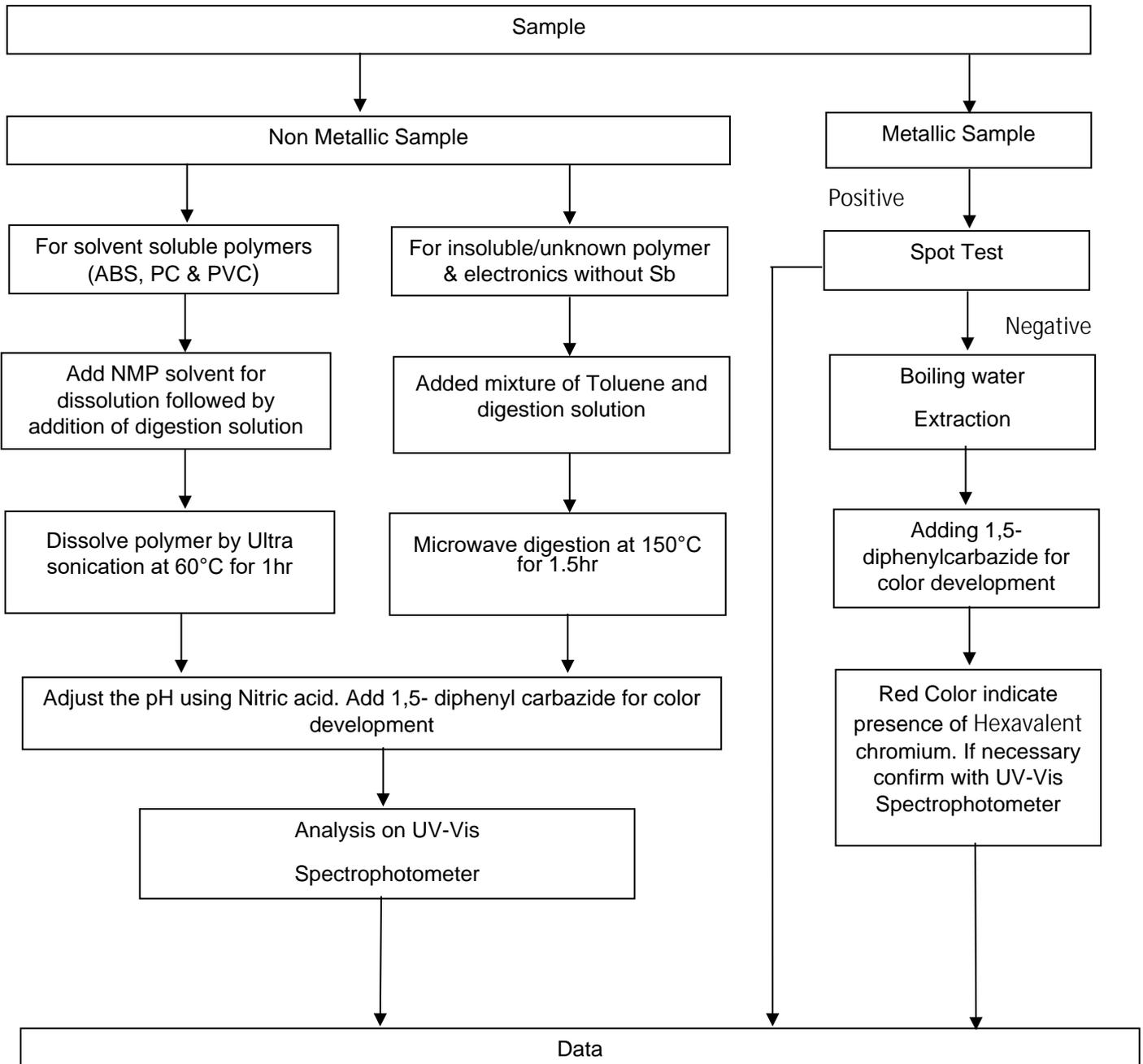
Process Flow for analysis of metal contents in plastics, metals and electronic components sample



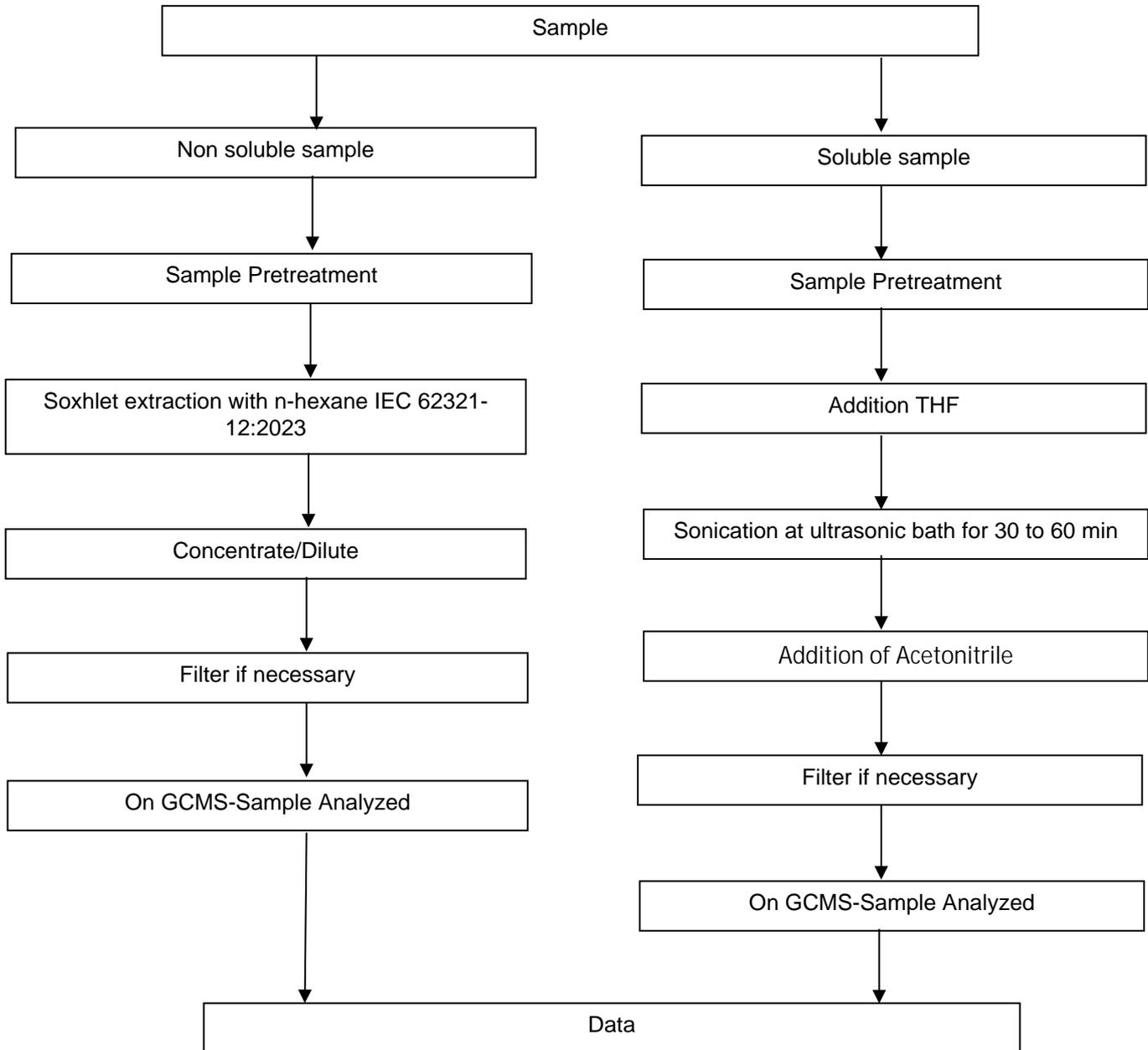
Process Flow for analysis of Flame Retardants in plastics, metals and electronic components sample



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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TERM & CONDITIONS

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2. This Report cannot be re-produced, except when in full, without the written permission from TUV India Pvt. Ltd.
3. This Certificate reflects our findings at the time and place of testing.
4. Sample(s) will be retained by us for a period of one month for non-perishable items only. Perishable items will be destroyed after completion of tests.
5. This Report, in full or in part, shall not be used to make any misleading claims or for any legal purposes. In case Test Report suffixed with PI, PII etc, all parts & Reports should be referred for complete Test Report.
6. All terms and conditions of our quotation on the basis of which this testing service has been provided are deemed to be fully accepted by the customer and a to be in full force and effect.
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