

TEST REPORT

Report No. : MAN:HL:1148006175

DATE : 23rd October, 2020

DEEYA PANEL PRODUCTS PRIVATE LIMITED
PLOT NO. 6108 AND 6109, INDUSTRIAL ESTATE, GIDC, ANJKLESHWAR
BHARUCH-393002
INDIA
CONTACT PERSON : RAHUL CHAUDHARY



THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :

SAMPLE DESCRIPTION RICRON PANELS REGENERATED PLASTIC SHEETS.
SAMPLE RECD ON 16/10/2020
TEST PERFORMING DATE 17/10/2020 TO 22/10/2020

SUMMARY OF TEST RESULT:

| TEST REQUESTED | CONCLUSION |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ROHS | 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 (Pass for testing on submitted sample) |

TEST(S) RESULT & METHOD: PLEASE REFER TO NEXT PAGE(S)

Per Pro SGS India Pvt. Ltd.

SANDIP BHUSHAN (Technical Manager)

Authorized Signatory

Email your Test Report Related Enquiries at Feedback.HLT@sgs.com

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Test Part Description:

| Product No. | Sample No. | Material Description | Remarks |
|-------------|------------|-------------------------------------------|---------|
| 1 | 1 | RICRON PANELS REGENERATED PLASTIC SHEETS. | -- |

Remarks:

- (1) 1mg/kg=0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (<MDL)
- (4) - = not regulated

RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

Test Method:

- (1) With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES.
- (2) With reference to IEC 62321-5:2013, determination of Lead by ICP-OES.
- (3) With reference to IEC 62321-4:2013, determination of Mercury by ICP-OES.
- (4) With reference to IEC 62321-7-2:2017, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis and/or with reference to IEC 62321-5:2013, determination of Chromium by ICP-OES.
- (5) With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS.
- (6) With reference to IEC 62321-8:2017, determination of phthalates by GC-MS.

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TEST RESULTS:

| Test Item(s): | Unit | Results | MDL | Limit |
|-------------------------------------|--------------|-------------|----------|-------------|
| Cadmium(Cd) | mg/kg | n.d. | 5 | 100 |
| Lead (Pb) | mg/kg | n.d. | 5 | 1000 |
| Mercury (Hg) | mg/kg | n.d. | 5 | 1000 |
| Hexavalent Chromium (CrVI) | mg/kg | n.d. | 8 | 1000 |
| Sum of PBBs | mg/kg | n.d. | - | 1000 |
| Monobromobiphenyl | mg/kg | n.d. | 50 | - |
| Dibromobiphenyl | mg/kg | n.d. | 50 | - |
| Tribromobiphenyl | mg/kg | n.d. | 50 | - |
| Tetrabromobiphenyl | mg/kg | n.d. | 50 | - |
| Hexabromobiphenyl | mg/kg | n.d. | 50 | - |
| Pentabromobiphenyl | mg/kg | n.d. | 50 | - |
| Heptabromobiphenyl | mg/kg | n.d. | 50 | - |
| Octabromobiphenyl | mg/kg | n.d. | 50 | - |
| Nonabromobiphenyl | mg/kg | n.d. | 50 | - |
| Decabromobiphenyl | mg/kg | n.d. | 50 | - |
| Sum of PBDEs | mg/kg | n.d. | - | 1000 |
| Monobromodiphenyl ether | mg/kg | n.d. | 50 | - |
| Dibromodiphenyl ether | mg/kg | n.d. | 50 | - |
| Tribromodiphenyl ether | mg/kg | n.d. | 50 | - |
| Tetrabromodiphenyl ether | mg/kg | n.d. | 50 | - |
| Pentabromodiphenyl ether | mg/kg | n.d. | 50 | - |
| Hexabromodiphenyl ether | mg/kg | n.d. | 50 | - |
| Heptabromodiphenyl ether | mg/kg | n.d. | 50 | - |
| Octabromodiphenyl ether | mg/kg | n.d. | 50 | - |
| Nonabromodiphenyl ether | mg/kg | n.d. | 50 | - |
| Decabromodiphenyl ether | mg/kg | n.d. | 50 | - |
| Dibutyl phthalate (DBP) | mg/kg | n.d. | 100 | 1000 |
| Butyl benzyl phthalate (BBP) | mg/kg | n.d. | 100 | 1000 |
| Bis (2-ethylhexyl) phthalate (DEHP) | mg/kg | n.d. | 100 | 1000 |
| Diisobutyl Phthalates (DIBP) | mg/kg | n.d. | 100 | 1000 |



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Notes:

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863. IEC 62321 series is equivalent to EN 62321 series
http://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25
- (2) Test has been performed on composite parts as per client's request
- (3) 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.
- (4) If the Chromium (Cr) content is greater than the MDL of Hexavalent Chromium (Cr(VI)), confirmation test of Hexavalent Chromium (Cr(VI)) is required.
- (5) On 4 June 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.
- (6) 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.
- (7) 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.
- (8) 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.
- (9) Testing has been subcontracted to SGS approved lab.
- (10) Testing has been performed as per client's request.

JOE No. : 2048802966

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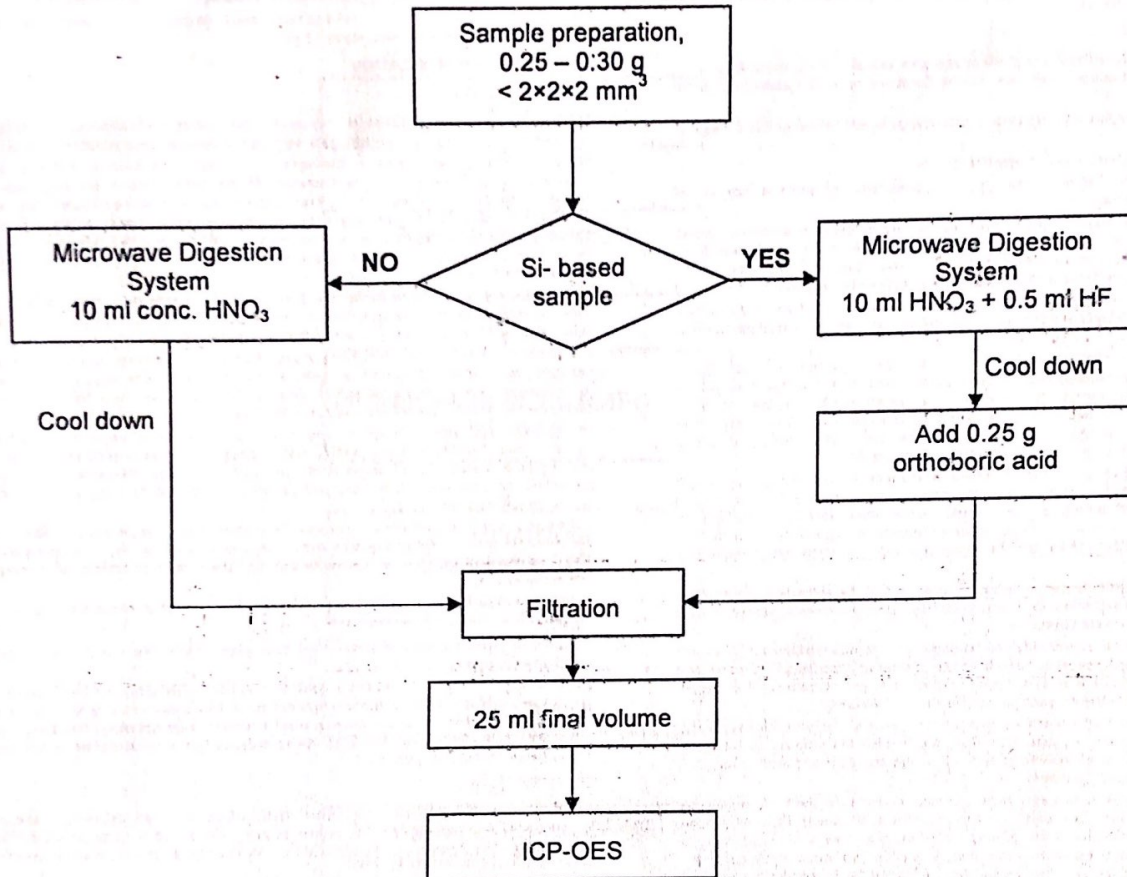
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Process Flow for analysis of metal contents in plastics, metals and electronic components sample

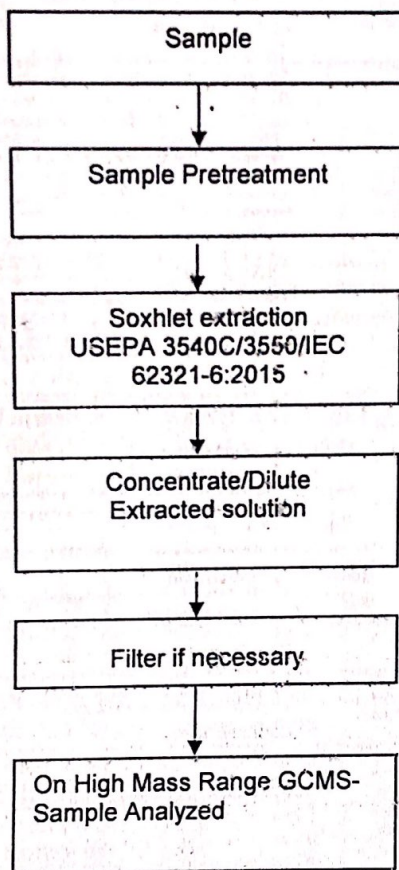


Analyzed By: MD.Taqi

Checked By: Kapil Patil



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



Analyzed By : Ravindra Sambhal

Checked By : Kapil Patil



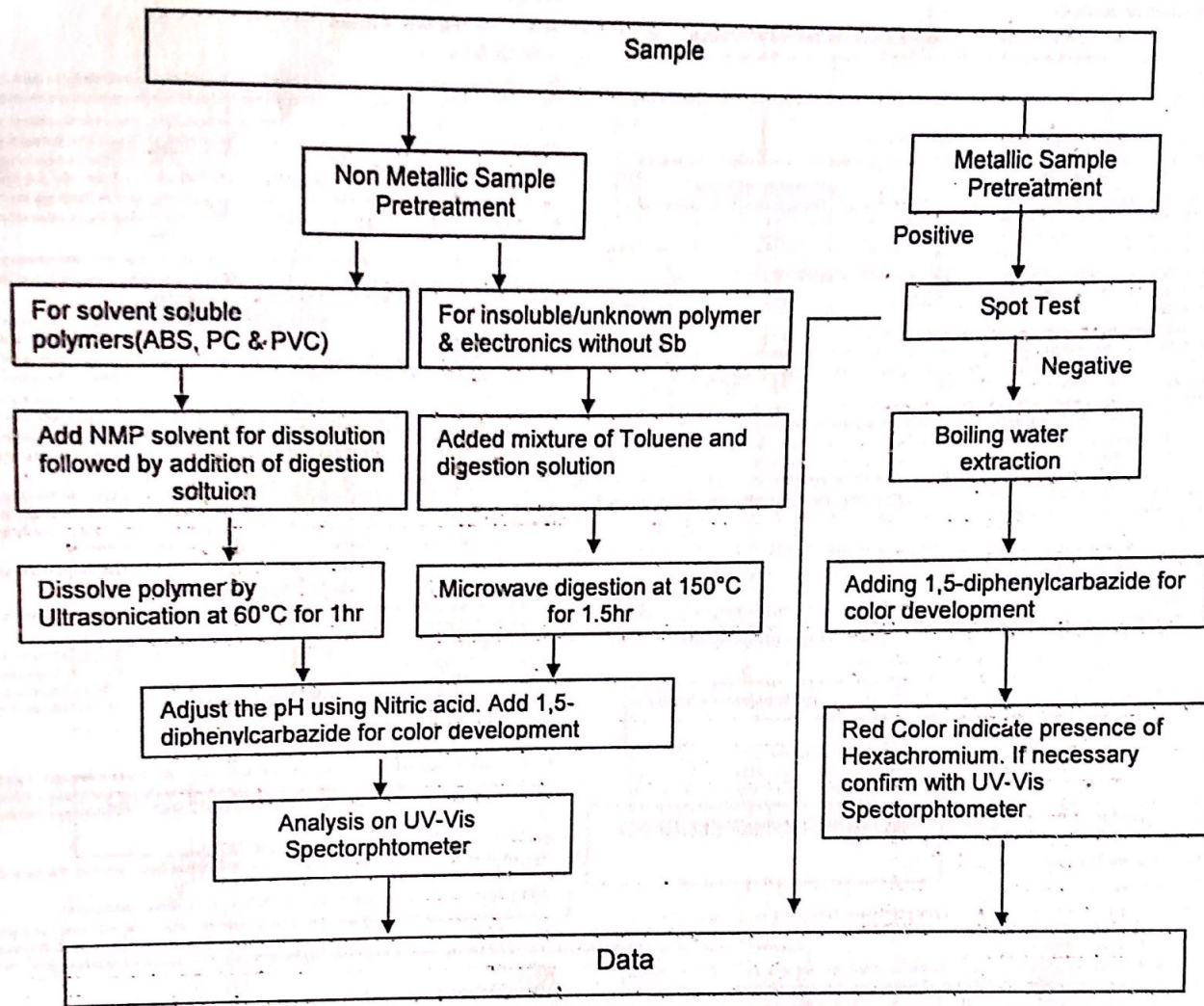
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Process Flow for analysis of Hexachromium contents in plastics, metals and electronic components sample



Analyzed By: MD.Taqi

Checked By: Kapil Patil

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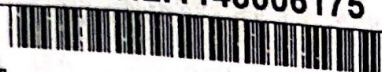
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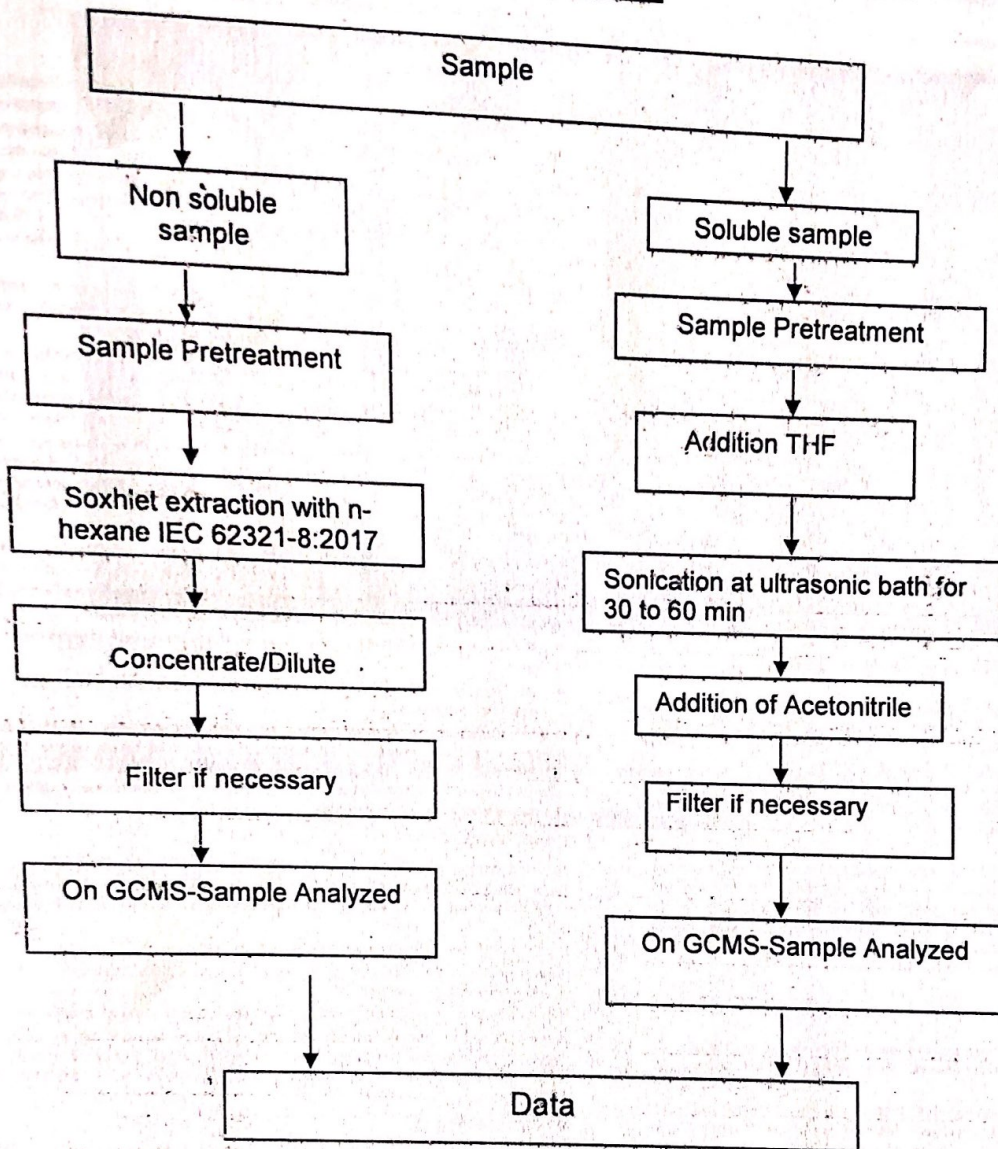
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Process Flow for analysis of Phthalates in Electrotechnical Product As per soxhelt Extraction or THF Extraction:



Analyzed By: Ravindra Sambhal

Checked By: Kapil Patil

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in the course of carrying out the
and shall be entitled to charge
to complete the services
for any cause any of its
to comply with any of its
without



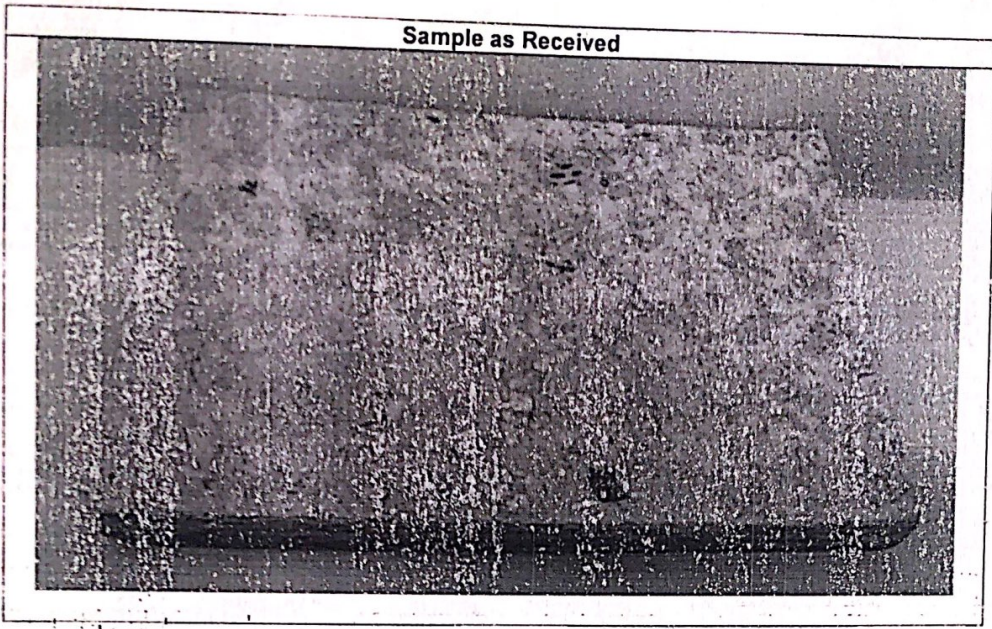
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Sample as Received



***** END OF REPORT*****

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