

GEL-PROBE REMOVE RoHS

Technical Datasheet



Total Quality. Assured.

Test Report

Applicant: Delphon Merging Innovative Technologies Corp
31398 Huntwood Ave. Hayward, CA 94544

Number : TWNC01215613
Issue Date : Oct 26, 2023

Sample Description:

One (1) Group of Submitted Samples Said To Be :
Sample Description : Gel-Probe™ Remove Elastomer cleaning material
Style / Item No. : Gel-Probe™ Remove
Series No. : SS090823DD
Date Sample Received : Oct 13, 2023
Date Test Started : Oct 13, 2023

Test Conducted:

As requested by the applicant, for details please refer to attached pages.

Conclusion:

| Tested Sample | Standard | Result |
|-------------------|--|--------------------|
| Submitted Samples | Restriction of Hazardous Substances (RoHS) — As per applicant's request with reference to 2011/65/EU and amendment (EU) 2015/863 | Pass |
| | As per applicant's request — Halogen Content | See Test Conducted |

Authorized By:
On behalf of Intertek Testing Services
Taiwan Limited

Matt Wang
General Manager



Signed by:

Thomas Chou

Thomas Chou
Manager



報告查詢 Report Verification



Page 1 of 9

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GEL-PAK

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Toll-Free 888-621-4147 Phone 510-576-2220 Fax 510-576-2282

Website www.gelpak.com

Division of

DELPHON



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Number : TWNC01215613

Test Conducted :

Test Result Summary:

| Test Item | Unit | Test Method | Result | RL |
|--|------|--|---|----|
| | | | Clear orange plastic film(release liners were excluded) | |
| Heavy Metal | | | | |
| Cadmium (Cd) Content | ppm | With reference to IEC 62321-5: 2013, by microwave or acid digestion and determined by ICP-OES. | ND | 2 |
| Lead (Pb) Content | ppm | With reference to IEC 62321-5: 2013, by microwave or acid digestion and determined by ICP-OES. | ND | 2 |
| Mercury (Hg) Content | ppm | With reference to IEC 62321-4:2013+AMD1:2017, by microwave or acid digestion and determined by ICP-OES. | ND | 2 |
| Chromium VI (Cr(VI)) Content | ppm | With reference to IEC 62321-7-2: 2017, organic solvent was used to dissolve or swell sample matrix, followed by alkaline digestion and determined by UV-Vis Spectrophotometer. | ND | 8 |
| Polybrominated Biphenyls (PBBs) | | | | |
| Monobrominated Biphenyls (MonoBB) | ppm | With reference to IEC 62321-6: 2015, by solvent extraction and determined by GC-MS and further HPLC-DAD confirmation when necessary. | ND | 5 |
| Dibrominated Biphenyls (DiBB) | ppm | | ND | 5 |
| Tribrominated Biphenyls (TriBB) | ppm | | ND | 5 |
| Tetrabrominated Biphenyls (TetraBB) | ppm | | ND | 5 |
| Pentabrominated Biphenyls (PentaBB) | ppm | | ND | 5 |
| Hexabrominated Biphenyls (HexaBB) | ppm | | ND | 5 |
| Heptabrominated Biphenyls (HeptaBB) | ppm | | ND | 5 |
| Octabrominated Biphenyls (OctaBB) | ppm | | ND | 5 |
| Nonabrominated Biphenyls (NonaBB) | ppm | | ND | 5 |
| Decabrominated Biphenyl (DecaBB) | ppm | | ND | 5 |





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Test Conducted :

| Test Item | Unit | Test Method | Result | RL |
|---|------|--|--|----|
| | | | Clear orange plastic film (release liners were excluded) | |
| Polybrominated Diphenyl Ethers (PBDEs) | | | | |
| Monobrominated Diphenyl Ethers (MonoBDE) | ppm | With reference to IEC 62321-6: 2015, by solvent extraction and determined by GC-MS and further HPLC-DAD confirmation when necessary. | ND | 5 |
| Dibrominated Diphenyl Ethers (DiBDE) | ppm | | ND | 5 |
| Tribrominated Diphenyl Ethers (TriBDE) | ppm | | ND | 5 |
| Tetrabrominated Diphenyl Ethers (TetraBDE) | ppm | | ND | 5 |
| Pentabrominated Diphenyl Ethers (PentaBDE) | ppm | | ND | 5 |
| Hexabrominated Diphenyl Ethers (HexaBDE) | ppm | | ND | 5 |
| Heptabrominated Diphenyl Ethers (HeptaBDE) | ppm | | ND | 5 |
| Octabrominated Diphenyl Ethers (OctaBDE) | ppm | | ND | 5 |
| Nonabrominated Diphenyl Ethers (NonaBDE) | ppm | | ND | 5 |
| Decabrominated Diphenyl Ether (DecaBDE) | ppm | | ND | 5 |
| Phthalates | | | | |
| Di(2-ethylhexyl) Phthalate (DEHP) | ppm | With reference to IEC 62321-8:2017, by solvent extraction and determined by GC-MS. | ND | 50 |
| Dibutyl Phthalate (DBP) | ppm | | ND | 50 |
| Benzyl Butyl Phthalate (BBP) | ppm | | ND | 50 |
| Diisobutyl Phthalate (DIBP) | ppm | | ND | 50 |
| Halogen Content | | | | |
| Fluorine (F) | ppm | With reference to EN 14582:2016 by combustion bomb with oxygen and determined by Ion Chromatography. | ND | 50 |
| Chlorine (Cl) | ppm | | ND | 50 |
| Bromine (Br) | ppm | | ND | 50 |
| Iodine (I) | ppm | | ND | 50 |

Remarks: ppm = Parts per million based on weight of tested sample = mg/kg

ND = Not detected

RL = Reporting limit, quantitation limit of analyte in sample

Responsibility of Chemist: Cloud Hsu/ Vita Fu

Date Sample Received : Oct 13, 2023

Test Period : Oct 13, 2023 to Oct 20, 2023



Page 3 of 9

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Test Conducted :

Number : TWNC01215613

RoHS Limit

| Restricted Substances | Limits |
|--|----------------|
| Cadmium (Cd) content | 0.01% (100ppm) |
| Lead (Pb) content | 0.1% (1000ppm) |
| Mercury (Hg) content | 0.1% (1000ppm) |
| Chromium VI (Cr(VI)) content | 0.1% (1000ppm) |
| Polybrominated Biphenyls (PBBs) | 0.1% (1000ppm) |
| Polybrominated Diphenyl Ethers (PBDEs) | 0.1% (1000ppm) |
| Di(2-ethylhexyl) Phthalate (DEHP) | 0.1% (1000ppm) |
| Dibutyl Phthalate (DBP) | 0.1% (1000ppm) |
| Benzyl Butyl Phthalate (BBP) | 0.1% (1000ppm) |
| Diisobutyl Phthalate (DIBP) | 0.1% (1000ppm) |

The limits were quoted from Annex II of 2011/65/EU and Amendment (EU) 2015/863 for homogeneous material.



Page 4 of 9

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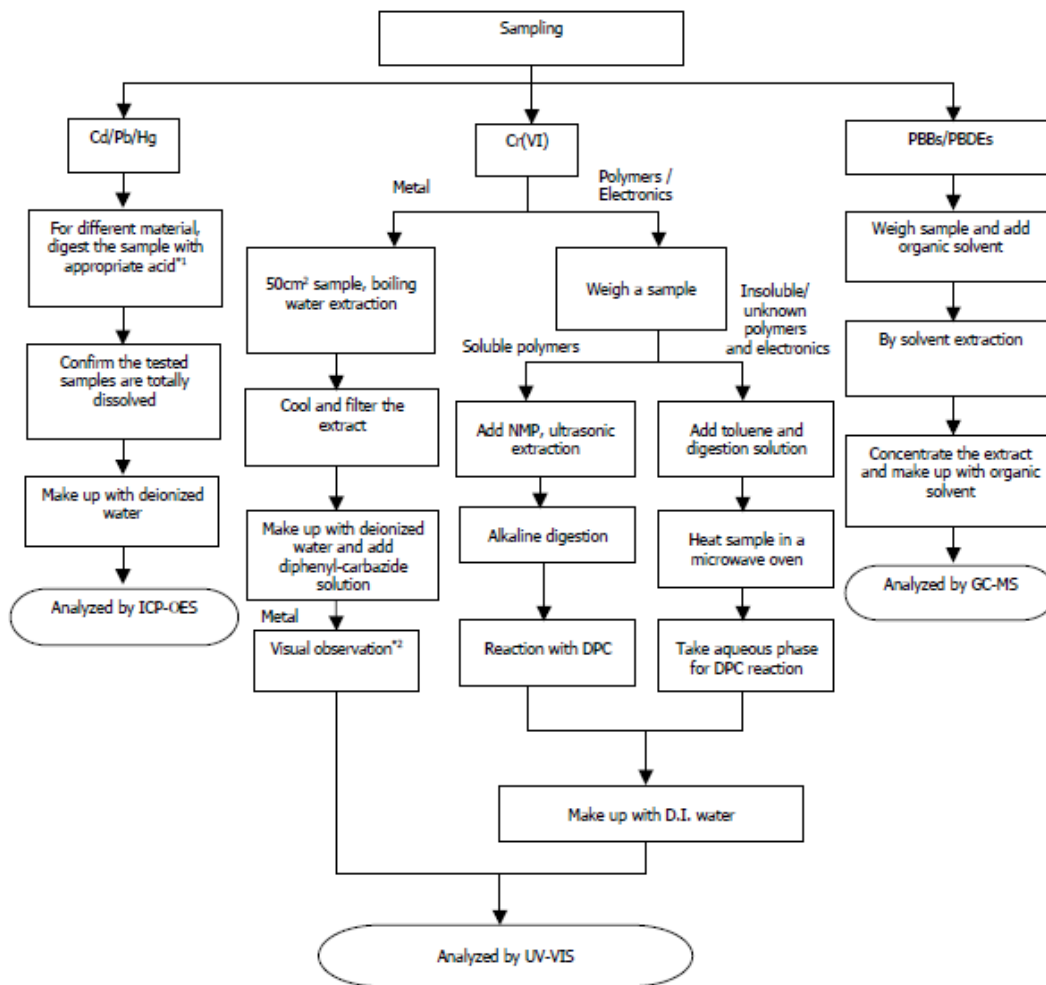
Total Quality. Assured.

Number : TWNC01215613

Test Conducted :

Measurement Flowchart:

Test for Cd/Pb/Hg/Chromium (VI)/PBBs/PBDEs Content
 Reference Standard : Cd/Pb: IEC 62321-5:2013; Hg: IEC 62321-4:2013+AMD1:2017;
 Chromium (VI): IEC 62321-7-1:2015 (boiling water extraction);
 Chromium (VI): IEC 62321-7-2:2017 (solvent and alkaline extraction);
 PBBs/PBDEs: IEC 62321-6:2015





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Test Conducted :

Remarks:

*1: List of Appropriate Acid :

| Material | Acid Added for Digestion |
|-------------|--|
| Polymers | HNO ₃ , HCl, HF, H ₂ O ₂ , H ₃ BO ₃ |
| Metals | HNO ₃ , HCl, HF |
| Electronics | HNO ₃ , HCl, H ₂ O ₂ , HBF ₄ |

*2: If sample solution is significantly more intense than 0.13 µg/cm² equivalent comparison standard, Chromium VI would be determined as detected, the result of visual observation is positive.



Page 6 of 9

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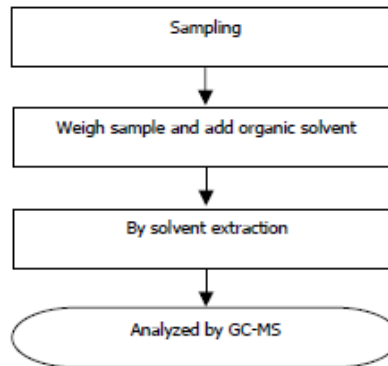


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Test Conducted :

Measurement Flowchart:

Test for Phthalates Content
Reference Method : IEC 62321-8:2017



Page 7 of 9

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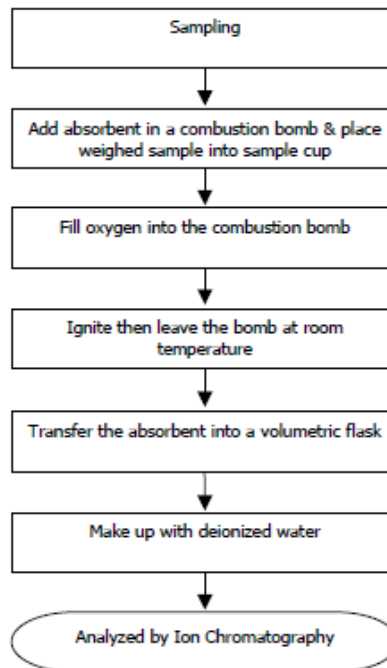
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Test Conducted :

Measurement Flowchart:

Test for Halogen Content
Reference Standard : EN 14582:2016



Page 8 of 9

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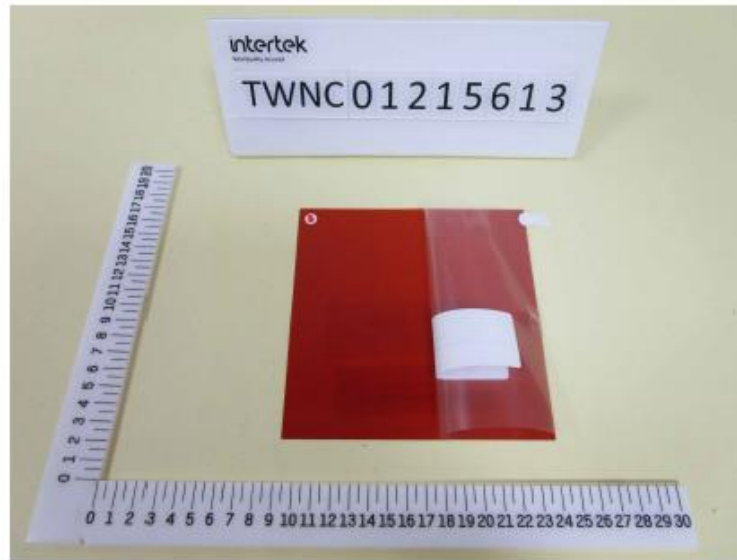
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Sample photo:

The tested part is indicated with the red arrow on the sample photo



End of Report

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