AB - 0716 - T
TURT240001961
01-24

# TEST REPORT



| | |
|---|---|
| **REPORT NUMBER :** | **TURT240001961** |
| **APPLICANT NAME :** | **Ürosan Kimya San. A.Ş.** |
| **ADDRESS :** | Velimeşe OSB Mah. 128. Sok. No:9/1 0 Tekirdağ / TURKEY<br>TEL:0282 674 40 50FAX:0282 674 40 51 |
| **Attention :** | **İlhan Çoşkun ( icoskun@urosan.com.tr )** |
| **SAMPLE DESCRIPTION :** | One sample of Black sponge (30/D EST. ART. P.1412232303) |
| **DATE IN :** | **5 January ,2024 ( 13:59:00)** |
| **DATE OUT :** | **9 January ,2024** |
| **REQUEST.** | Rohs Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU |

| | | CONCLUSION |
|---|---|---|
| **PART** | **DESCRIPTION** | |
| Sample 1 | Sample | **Pass** |

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## (A) TEST RESULT SUMMARY ACCORDING TO IEC 62321
## Electrotechnical Products-Determination of Levels of Six Regulated Substances

| TESTING ITEM | RESULT |
|---|---|
| | Sample 1 |
| Cadmium (Cd) Content | ND |
| Chromium VI (Cr+6) Content (ppm) (for non- metal) | ND |
| Chromium VI (Cr+6) Content (µg/cm²) (for metal) | NA |
| Lead (Pb) Content | ND |
| Mercury (Hg) Content | ND |
| Flame Retardants | |
| **Polybrominated Biphenyls (PBB)** | ND |
| Monobromobiphenyl (MonoBB) | ND |
| Dibromobiphenyl (DiBB) | ND |
| Tribromobiphenyl (TriBB) | ND |
| Tetrabromobiphenyl (TetraBB) | ND |
| Pentabromobiphenyl (PentaBB) | ND |
| Hexabromobiphenyl (HexaBB) | ND |
| Heptabromobiphenyl (HeptaBB) | ND |
| Octabromobiphenyl (OctaBB) | ND |
| Nonabromobiphenyl (NonaBB) | ND |
| Decabromobiphenyl (DecaBB) | ND |
| **Polybrominated Diphenyl Ethers (PBDE)** | ND |
| Monobromodiphenyl Ether (MonoBDE) | ND |
| Dibromodiphenyl Ether (DiBDE) | ND |
| Tribromodiphenyl Ether (TriBDE) | ND |
| Tetrabromodiphenyl Ether (TetraBDE) | ND |
| Pentabromodiphenyl Ether (PentaBDE) | ND |
| Hexabromodiphenyl Ether (HexaBDE) | ND |
| Heptabromodiphenyl Ether (HeptaBDE) | ND |
| Octabromodiphenyl Ether (OctaBDE) | ND |
| Nonabromodiphenyl Ether (NonaBDE) | ND |
| Decabromodiphenyl Ether (DecaBDE) | ND |
| **Phthalates** | |
| Dibutyl phthalate (DBP)(84-74-2) | ND |
| Diethyl Hexyl Phthalate (DEHP)(117-81-7) | ND |
| Benzyl butyl phthalate (BBP)(85-68-7) | ND |
| Diisobutyl Phthalate (DIBP)(84-69-5) | ND |

Remarks : ppm=Parts per million based on dry weight of sample
µg/cm²=Microgram per square centimetre
mg/kg with 50 cm²=Milligram per kilogram with 50 square centimetre
ND =Not detected NA =Not applicable NR =Not requested

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**(B) REQUIREMENT:**

| SUBSTANCE | LIMITS | |
|---|---|---|
| Cadmium (Cd) Content | 0.01 % (100 ppm) | |
| Chromium VI (Cr+6) Content (ppm) (for non metal) | 0.1 % (1000 ppm) | |
| Chromium VI (Cr+6) Content (µg/cm²) (for metal) | Colorimetric result | Qualitative Result |
| | < 0.10 µg/cm² | Negative |
| | ≥ 0.10 µg/cm² and ≤ 0.13 µg/cm² | Inconclusive |
| | > 0.13 µg/cm² | Positive |
| Lead (Pb) Content | 0.1 % (1000 ppm) | |
| Mercury (Hg) Content | 0.1 % (1000 ppm) | |
| Flame Retardants | 0.1 % (1000 ppm) | |
| Dibutyl Phthalate (DBP) | 0.1 % (1000 ppm) | |
| Diethyl Hexyl Phthalate (DEHP) | 0.1 % (1000 ppm) | |
| Benzyl Butyl Phthalate (BBP) | 0.1 % (1000 ppm) | |
| Diisobutyl Phthalate (DIBP) | 0.1 % (1000 ppm) | |

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**(C) TEST METHOD :**

| Testing Item | Testing Method | Reporting Limit | Uncertainty |
|---|---|---|---|
| Cadmium (Cd) Content | With reference to IEC 62321-5:2013,by microwave or acid digestion and determined by ICP-OES | Plastic: 10 ppm / Metal: 4 ppm / Seramic: 5 ppm | Metal-Pb&Cd&Cr:±13%<br>Metal-Hg:±12%<br>Plastic:±9%<br>Ceramic/Glass:±10%<br>Carton:±7% |
| Lead (Pb) Content | With reference to IEC 62321-5:2013,by microwave or acid digestion and determined by ICP-OES | Plastic: 10 ppm / Metal: 4 ppm / Seramic: 5 ppm | |
| Mercury (Hg) Content | With reference to IEC 62321-4:2013/AMD1:2017,by microwave or acid digestion and determined by ICP-OES | Plastic: 10 ppm / Metal: 10 ppm / Seramic: 5 ppm | |
| Chromium VI (Cr6+)(For non-metal) | With reference to IEC 62321-7-2:2017,by alkaline digestion and determined by UV-VIS spectrophotometer | Plastic 25 ppm (PVC Based) / 8,33 ppm (Other) | Plastic-PVC ±12%<br>Plastic-PP ±5%<br>Ceramic/Glass ±5%<br>Carton:±11% |
| Chromium VI (Cr6+)(For metal) | With reference to IEC 62321-7-1:2015 ,by boiling water extraction and determined by UV-VIS spectrophotometer | 0,1 ppm with 50 cm2 (In testing solution) | ±13% |
| PBBs/PBDEs | With reference to IEC 62321-6:2015,by solvent extraction and determined by GC/MS and HPLC | 5 ppm | ±15% |
| Phthalates | With reference to IEC 62321-8 (111/321/CD), by solvent extraction and determined by GC-MS. | 50 ppm | ±16% |

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Sample 1



Sample 1




**#### END OF TEST REPORT ###**

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