



THE INDUSTRIAL ANALYSIS SERVICE LTD.

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2-11-7 Yatsuka Souka Saitama 340-0028 Japan

TEST REPORT

Request No. 2476

Report No. EW210000000134-01

Date of issue: 8 October 2021

To. Senju Metal Industry Co., Ltd.

Address: 1 MATSUYAMA MOHKA TOCHIGI 321-4346 JAPAN

Name of sample: SPARKLE BALL S #S-2062

Date of receipt of sample: 28 June 2021

Measurement days: 28 June 2021 ~ 8 October 2021

The following is the report on the requested test of the sample

| Test Items | Unit | Test result | D.L. | Test Method |
|------------------------------------|------|-------------|------|--|
| Cd | ppm | N.D. | 2.0 | With reference to IEC62321-5(2013) ICP/MS |
| Pb | % | 36.41 | - | JIS Z 3910 |
| Cr6+ | ppm | N.D. | 1.0 | With reference to IEC62321-7-1(2015) Boiling water extraction/UV-VIS |
| Hg | ppm | N.D. | 5.0 | With reference to IEC62321-4(2013)/AMD1(2017) ICP/MS |
| PBBs | ppm | N.D. | 10 | With reference to IEC62321-6(2015) GC/MS |
| PBDEs | ppm | N.D. | 10 | With reference to IEC62321-6(2015) GC/MS |
| Bis(2-ethylhexyl) phthalate (DEHP) | ppm | N.D. | 50 | With reference to IEC62321-8(2017) GC/MS |
| Butylbenzyl phthalate (BBP) | ppm | N.D. | 50 | With reference to IEC62321-8(2017) GC/MS |
| Dibutyl phthalate (DBP) | ppm | N.D. | 50 | With reference to IEC62321-8(2017) GC/MS |
| Diisobutyl phthalate (DIBP) | ppm | N.D. | 50 | With reference to IEC62321-8(2017) GC/MS |
| F | ppm | N.D. | 50 | With reference to EN14582(2016) Furnace combustion/IC |
| Cl | ppm | N.D. | 50 | With reference to EN14582(2016) Furnace combustion/IC |
| Br | ppm | N.D. | 50 | With reference to EN14582(2016) Furnace combustion/IC |
| I | ppm | N.D. | 50 | With reference to EN14582(2016) Furnace combustion/IC |

Note: The results shown in this test report refer only to the sample(s) tested.
Quotation Report:EW210000000072-03(Cd,Pb,Cr6+,Hg)

N. D. means the analysis result is less than fixed quality lower limit level calculated according to our established precision management condition.
mg/kg=ppm

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TAKANORI YOSHIDA

| Test Items | Unit | Test result | D.L. | Test Method |
|--|------|-------------|------|--|
| Monobromobiphenyl (MonoBB) | ppm | N.D. | - | With reference to IEC62321-6(2015) GC/MS |
| Dibromobiphenyl (DiBB) | ppm | N.D. | - | With reference to IEC62321-6(2015) GC/MS |
| Tribromobiphenyl (TriBB) | ppm | N.D. | - | With reference to IEC62321-6(2015) GC/MS |
| Tetrabromobiphenyl (TetraBB) | ppm | N.D. | - | With reference to IEC62321-6(2015) GC/MS |
| Pentabromobiphenyl (PentaBB) | ppm | N.D. | - | With reference to IEC62321-6(2015) GC/MS |
| Hexabromobiphenyl (HexaBB) | ppm | N.D. | - | With reference to IEC62321-6(2015) GC/MS |
| Heptabromobiphenyl (HeptaBB) | ppm | N.D. | - | With reference to IEC62321-6(2015) GC/MS |
| Octabromobiphenyl (OctaBB) | ppm | N.D. | - | With reference to IEC62321-6(2015) GC/MS |
| Nonabromobiphenyl (NonaBB) | ppm | N.D. | - | With reference to IEC62321-6(2015) GC/MS |
| Decabromobiphenyl (DecaBB) | ppm | N.D. | - | With reference to IEC62321-6(2015) GC/MS |
| SUM PBBs | ppm | N.D. | 10 | With reference to IEC62321-6(2015) GC/MS |
| Monobromodiphenylether (MonoBDE) | ppm | N.D. | - | With reference to IEC62321-6(2015) GC/MS |
| Dibromodiphenylether (DiBDE) | ppm | N.D. | - | With reference to IEC62321-6(2015) GC/MS |
| Tribromodiphenylether (TriBDE) | ppm | N.D. | - | With reference to IEC62321-6(2015) GC/MS |
| Tetrabromodiphenylether (TetraBDE) | ppm | N.D. | - | With reference to IEC62321-6(2015) GC/MS |
| Pentabromodiphenylether (PentaBDE) | ppm | N.D. | - | With reference to IEC62321-6(2015) GC/MS |
| Hexabromodiphenylether (HexaBDE) | ppm | N.D. | - | With reference to IEC62321-6(2015) GC/MS |
| Heptabromodiphenylether (HeptaBDE) | ppm | N.D. | - | With reference to IEC62321-6(2015) GC/MS |
| Octabromodiphenylether (OctaBDE) | ppm | N.D. | - | With reference to IEC62321-6(2015) GC/MS |
| Nonabromodiphenylether (NonaBDE) | ppm | N.D. | - | With reference to IEC62321-6(2015) GC/MS |
| Decabromodiphenylether (DecaBDE) | ppm | N.D. | - | With reference to IEC62321-6(2015) GC/MS |
| SUM PBDEs | ppm | N.D. | 10 | With reference to IEC62321-6(2015) GC/MS |
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Note: The results shown in this test report refer only to the sample(s) tested.

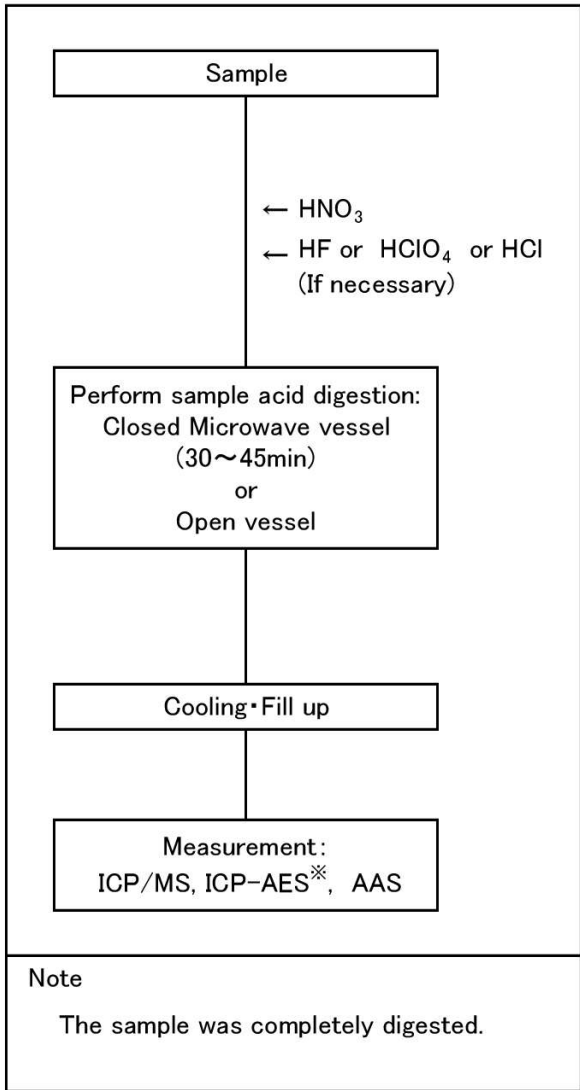
N.D. means the analysis result is less than fixed quality lower limit level calculated according to our established precision management condition.
mg/kg=ppm



Flow chart

| | |
|------------------|----------------------------------|
| Report No. | : EW210000000134-01 |
| Measurement days | : 28 June 2021 ~ 8 October 2021 |
| Operator | : Kensho Nakajima Masahiro Okada |

Cd, Hg, Be



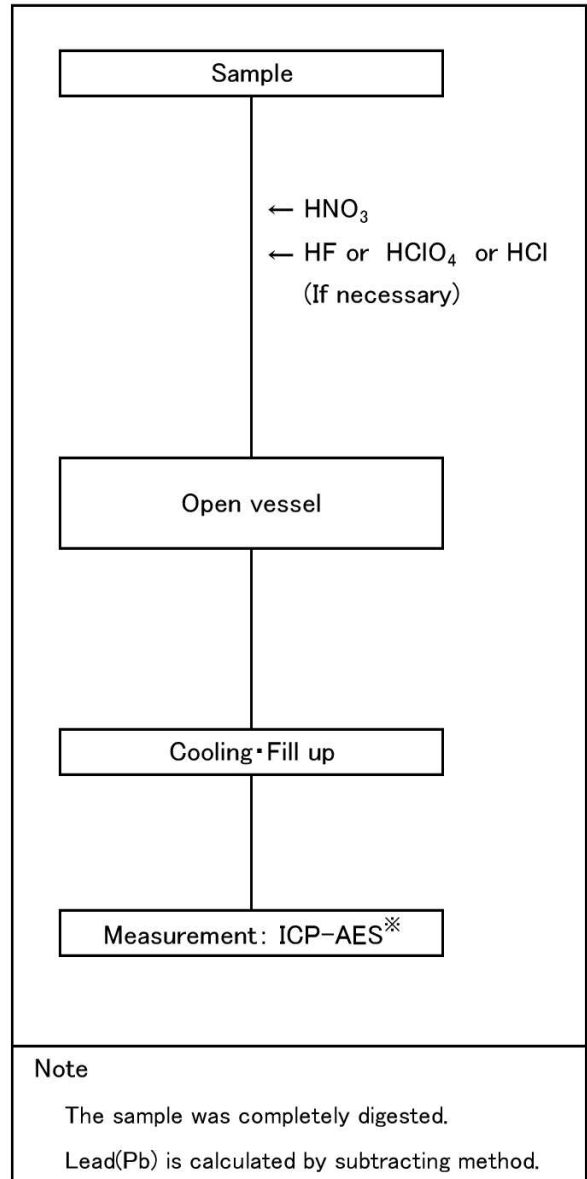
ICP/MS : Agilent Technologies 7700X

ICP-AES : Rigaku CIROS CCD

AAS : HIRANUMA MERCURY ANALYZER HG-200

*It is also called ICP-OES.

Pb



ICP-AES : Rigaku CIROS CCD

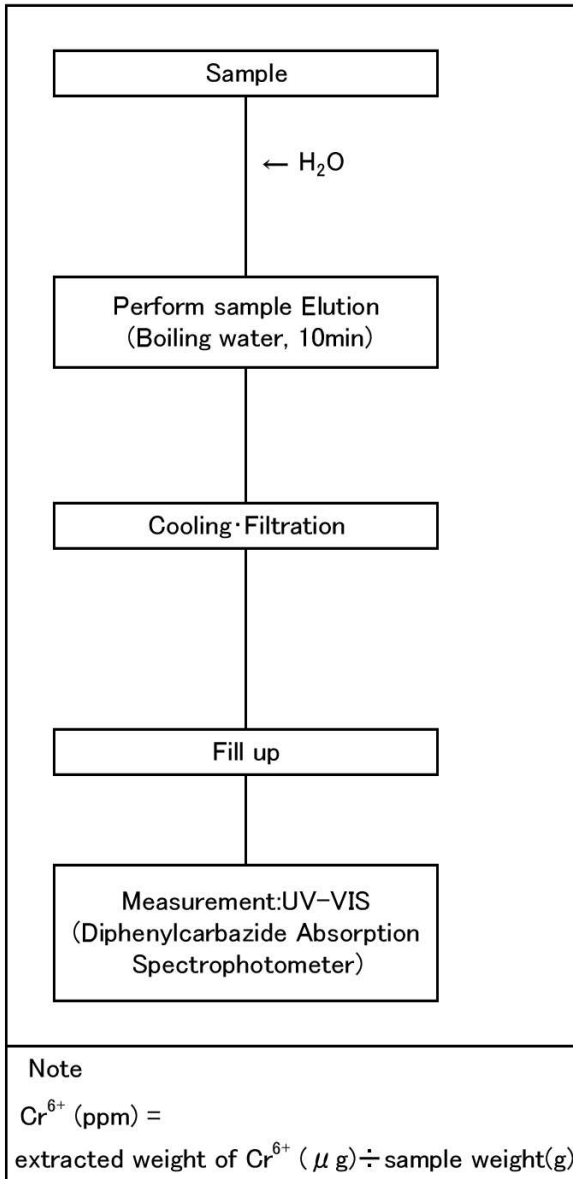
*It is also called ICP-OES.

Flow chart

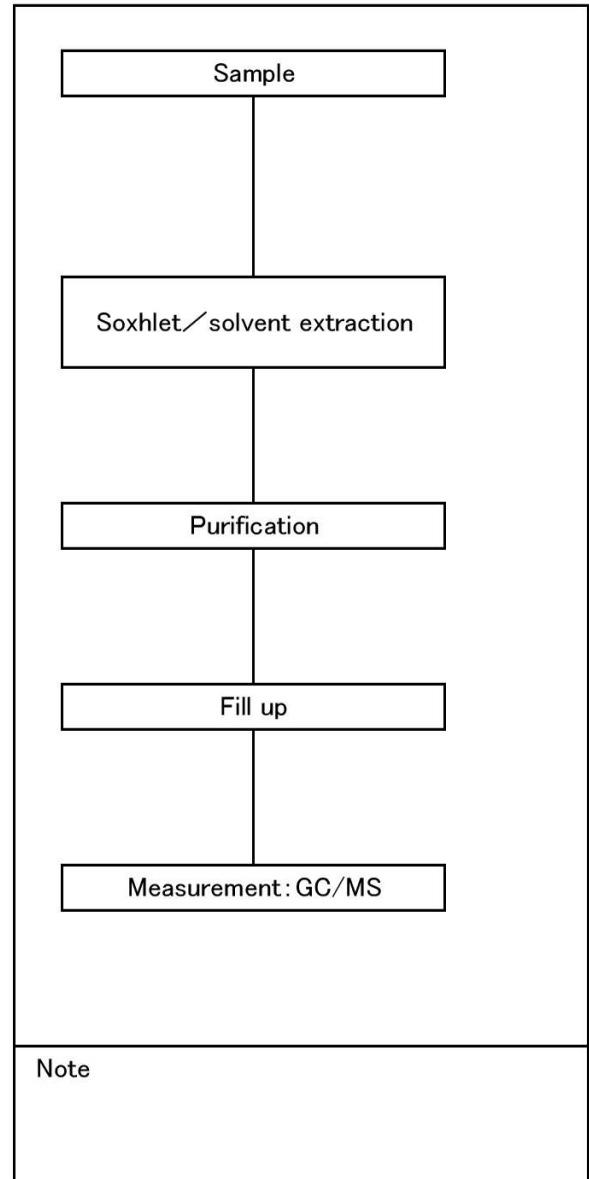
Report No. : EW210000000134-01
Measurement days : 28 June 2021 ~ 8 October 2021
Operator : Wataru Imaoka Yuichi Kuboji

Cr6+

PBBs, PBDEs



UV-VIS : HITACHI High-Technologies U-2910



GC/MS:Agilent Technologies GC 7890B MS 5977A

Flow chart

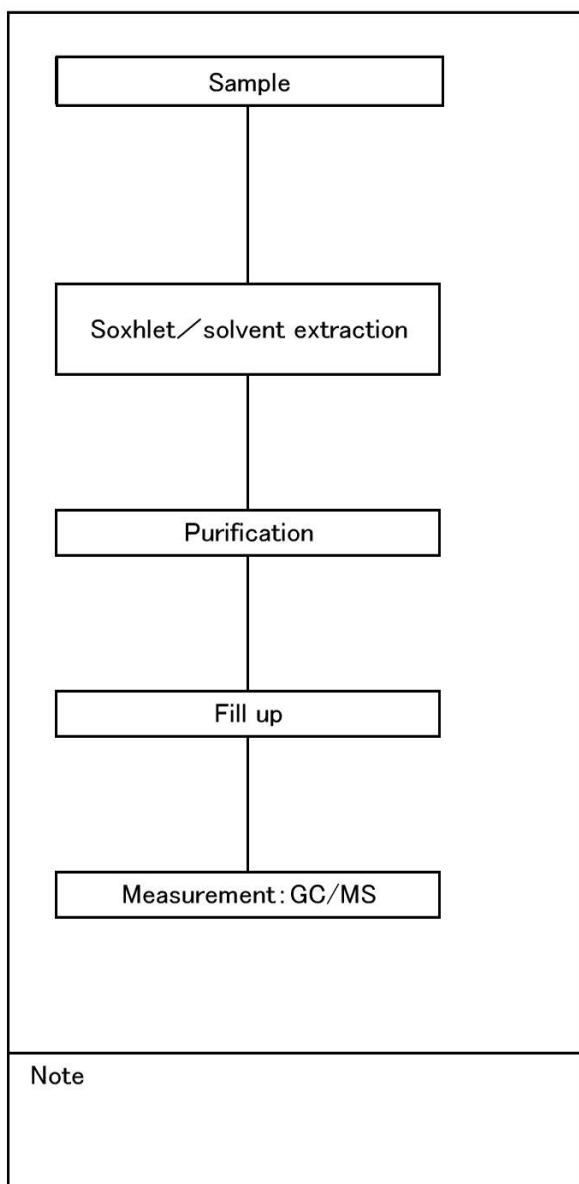
Report No. : EW210000000134-01

Measurement days : 28 June 2021 ~ 8 October 2021

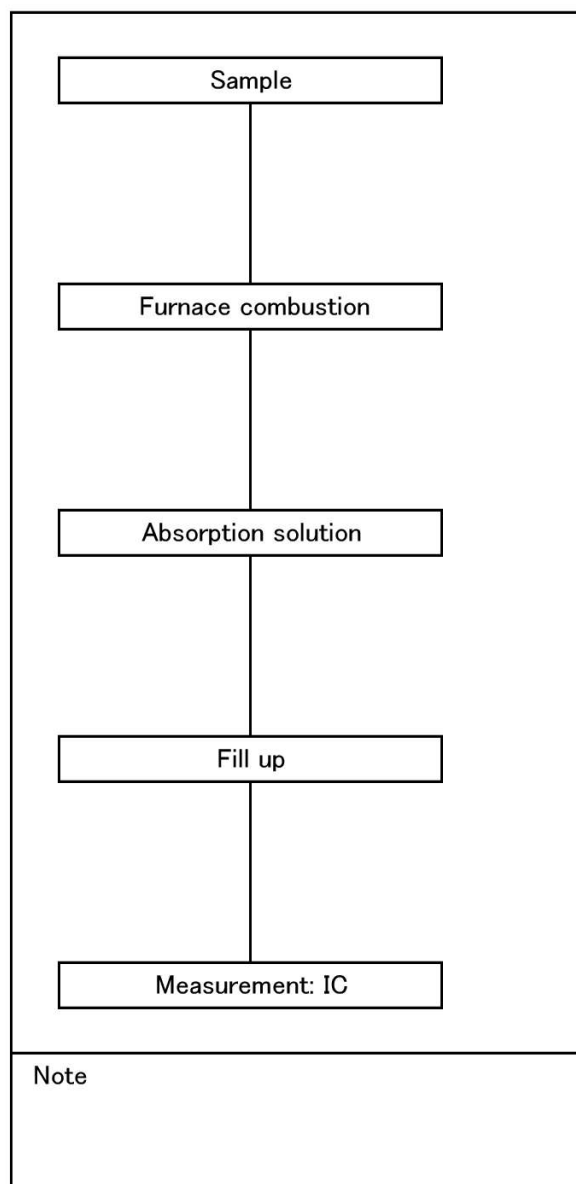
Operator : Yuichi Kuboji Norio Watanabe

phthalates

F, Cl, Br, I



GC/MS : SHIMADZU GCMS-QP2020



IC : DIONEX ICS-1100 RFIC