

# Test Report No. ETLR180718.1071

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**Applicant** ..... : JUNGBU ESCHEM CO., LTD.  
181-2, Geumgok-ri, Dongtan-myeon, Hwaseong-si, Gyeonggi-do, Korea

**The following sample(s) was/were submitted and identified on behalf of the applicant as: -**

**Sample Name** ..... : PAINT

**Sample ID/Description** ..... : PRIMER GF#3000(FW)-MIX

**Date of receipt** ..... : Jul 18, 2018

**Test Period** ..... : Jul 23 ~ 26, 2018

**Date of issue** ..... : Jul 26, 2018

## Testing Environment

**Temperature** ..... : (27.8 ± 0.8) °C

**Relative Humidity** ..... : (54 ± 4) %

**For further details, please refer to the following pages.**

**Tested by :**

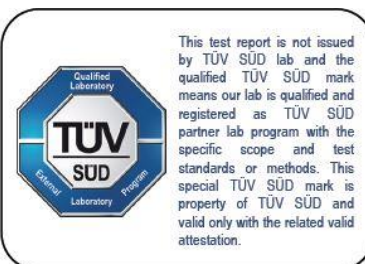


Na Rae Kim

**Reviewed by :**



Jeong Ryeol Baik



## ■ Result

### Polybrominated biphenyls (PBBs)

Item(s)	Unit	Test Method	MDL	Result
Monobromobiphenyl	mg/kg	IEC 62321-6 : 2015, GC-MS.	5	N.D.
Dibromobiphenyl	mg/kg		5	N.D.
Tribromobiphenyl	mg/kg		5	N.D.
Tetrabromobiphenyl	mg/kg		5	N.D.
Pentabromobiphenyl	mg/kg		5	N.D.
Hexabromobiphenyl	mg/kg		5	N.D.
Heptabromobiphenyl	mg/kg		5	N.D.
Octabromobiphenyl	mg/kg		5	N.D.
Nonabromobiphenyl	mg/kg		5	N.D.
Decabromobiphenyl	mg/kg		5	N.D.

### Polybrominated diphenyl ethers (PBDEs)

Item(s)	Unit	Test Method	MDL	Result
Monobromodiphenyl ether	mg/kg	IEC 62321-6 : 2015, GC-MS.	5	N.D.
Dibromodiphenyl ether	mg/kg		5	N.D.
Tribromodiphenyl ether	mg/kg		5	N.D.
Tetrabromodiphenyl ether	mg/kg		5	N.D.
Pentabromodiphenyl ether	mg/kg		5	N.D.
Hexabromodiphenyl ether	mg/kg		5	N.D.
Heptabromodiphenyl ether	mg/kg		5	N.D.
Octabromodiphenyl ether	mg/kg		5	N.D.
Nonabromodiphenyl ether	mg/kg		5	N.D.
Decabromodiphenyl ether	mg/kg		5	N.D.

## ■ Result

### Heavy metal

Item(s)	Unit	Test Method	MDL	Result
Cadmium (Cd)	mg/kg	IEC 62321-5 : 2013, ICP-OES.	1	N.D.
Lead (Pb)	mg/kg		5	N.D.
Mercury (Hg)	mg/kg	IEC 62321-4 : 2013, ICP-OES.	5	N.D.
Hexavalent Chromium (Cr <sup>6+</sup> )	mg/kg	IEC 62321-7-2 : 2017, UV-VIS.	1	N.D.
Antimony (Sb)	mg/kg	EPA 3050B : 1996, ICP-OES.	10	N.D.

### Halogen

Item(s)	Unit	Test Method	MDL	Result
Chlorine (Cl)	mg/kg	KS M 0180 : 2009, Combustion IC.	30	45 480
Bromine (Br)	mg/kg		30	N.D.

### Phthalate

Item(s)	CAS No.	Unit	Test Method	MDL	Result
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	IEC 62321-8 : 2017, GC-MS.	50	N.D.
Di-n-butyl phthalate (DBP)	84-74-2	mg/kg		50	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg		50	N.D.
Di(2-ethyl hexyl) phthalate (DEHP)	117-81-7	mg/kg		50	N.D.

#### \* Note :

MDL = Method detection limit

N.D. = Not detected

Negative = Undetectable / Positive = Detectable

mg/kg = ppm (part per million)

If the star mark (\*) is shown on the item, it isn't the scope recognized by TÜV SÜD.

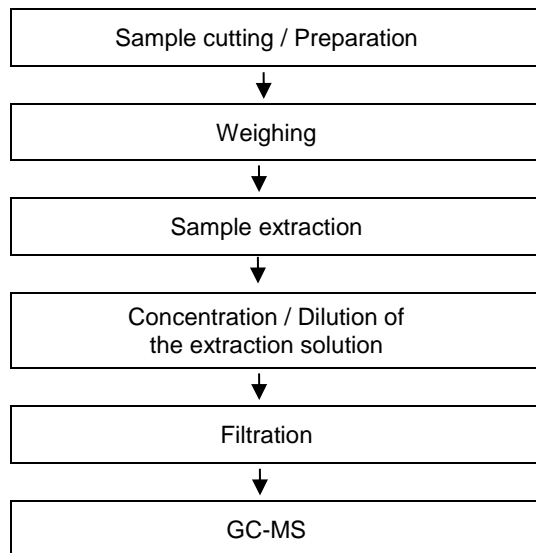
■ Photograph



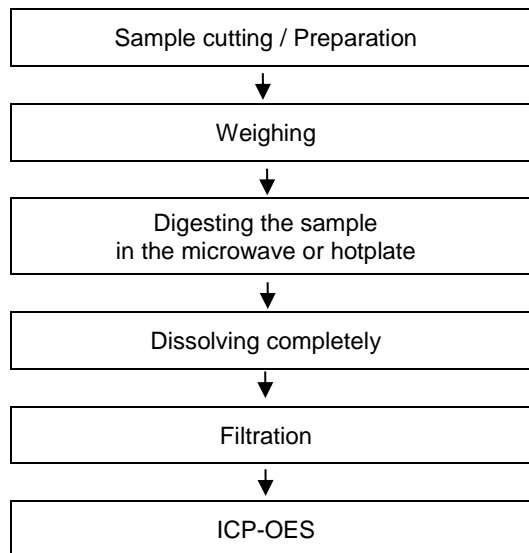
The tested sample is marked by an arrow if it's shown on the photograph.

## ■ Flow chart

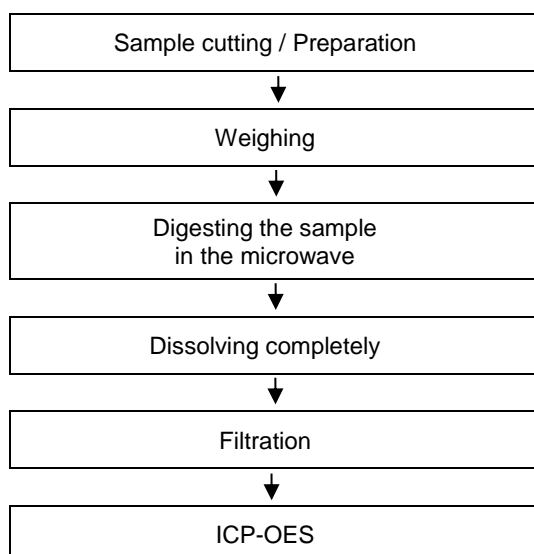
### PBBs, PBDEs



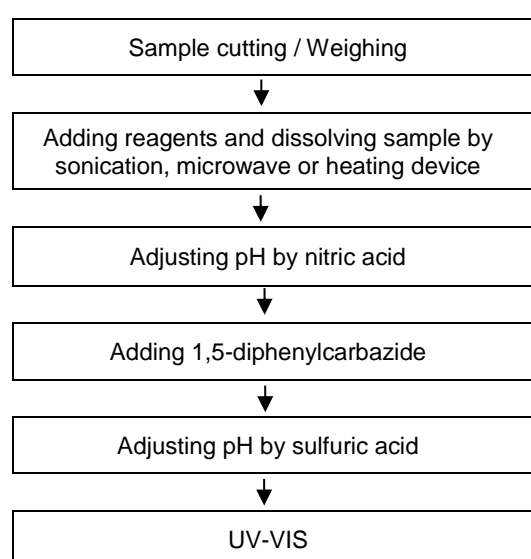
### Cd, Pb



### Hg

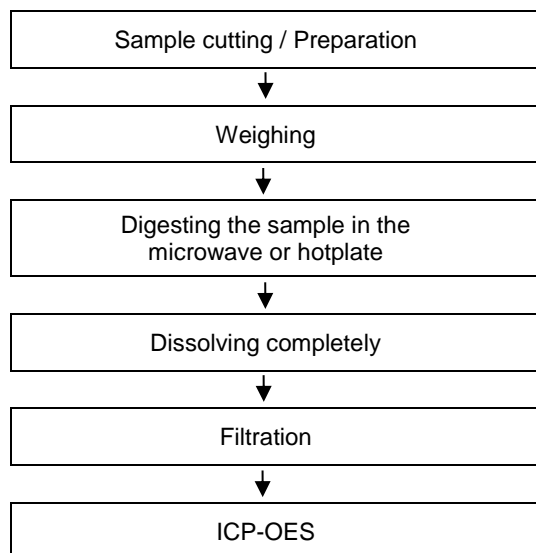


### Cr<sup>6+</sup>

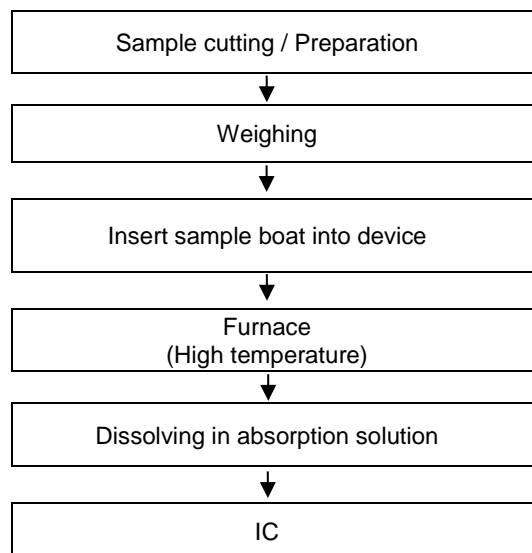


## ■ Flow chart

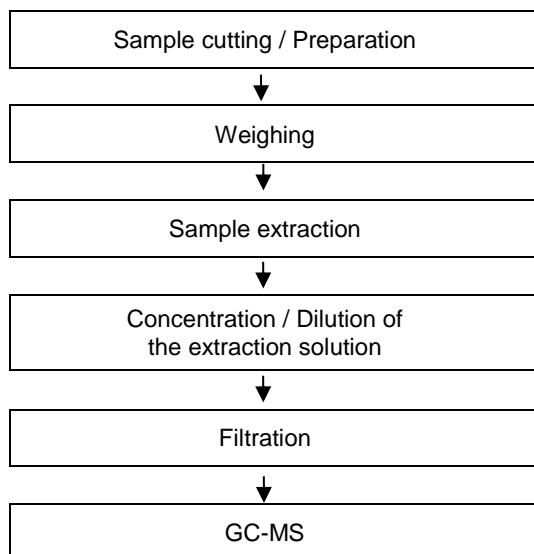
### Sb



### Halogen



### Phthalate



- E N D -