



Analysis Research Center

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Report No. : KR-170117-65-01

Client : S-Connect. Co., Ltd.

30, Marudeul-gil, 172beon-gil, Opo-eup, Gwangju-si, Gyeonggi-Do, Korea

The following merchandise was submitted and identified by the client

Model Name : Li-foil(Lithium)

Received date : January. 17. 2017

Test Performaing date: January. 17. 2017 ~ January. 25. 2017

Issued date : January. 25. 2017

Test Performed : KQTI Tested the samples selected by applicant following results

Test Results : For further details, Please Refer to following pages

Testing Environment : Temperature $(25 \sim 27)$ °C, Humidity $(17 \sim 20)$ % R.H.

Researcher: H.J.SIM

Lab Manager: W.T.KIM

1010 (Goseac-dong, SUWON HUMAN SKY VALLEY) 33 Omokcheon-ro 132beon-gil, Gwonseon-gu, Suwon-si, Gyeonggi-do, KOREA

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Sample No.

Sample Description

Li-foil(Lithium)

Heavy Metals

Test items	Unit	Test Method	MDL	Results
Cadmium(Cd)	mg/kg	KS C IEC 62321 : 2009, ICP	0.5	N.D
Lead (Pb)	mg/kg	KS C IEC 62321 : 2009, ICP	5	N.D
Mercury(Hg)	mg/kg	KS C IEC 62321 : 2009, ICP	2	N.D
Hexavalent Chromium(Cr ⁶⁺)	mg/kg	KS C IEC 62321 : 2009, UV/VIS	1	N.D

Flame Retardants-PBBs/PBDEs

Test items	Unit	Test Method	MDL	Results
PBBs (Polybrominated Biphenyls	3)			
Monobromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Dibromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Tribromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Tetrabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Pentabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Hexabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Heptabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Octabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Nonabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Decabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
BDEs (Polybrominated Dipheny	l Ethers)			
Monobromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Dibromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Tribromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Terabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Pentabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Hexabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Heptabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Octabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Nonabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Decabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D

NOTE: 1) N.D=Not Detectde (<MDL)

2) MDL=Method Detection Limit

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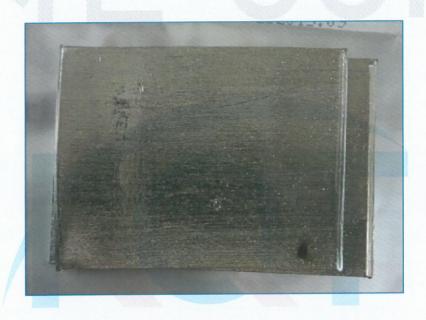
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Picture of sample as Received:



End

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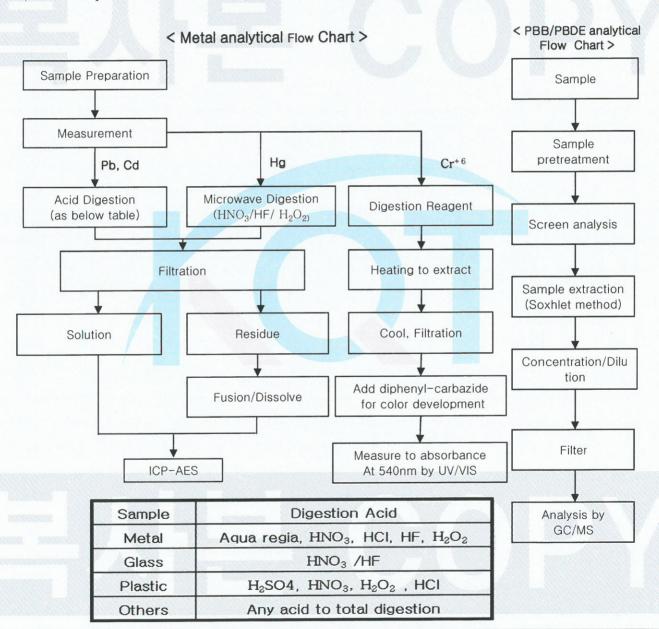
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Report No.

KR-170117-65-01

1) These samples were dissolved totally by method according to below flow chart.



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Report No. : KR-170117-65-02

Client : S-Connect. Co., Ltd.

30, Marudeul-gil, 172beon-gil, Opo-eup, Gwangju-si, Gyeonggi-Do, Korea

The following merchandise was submitted and identified by the client

Model Name : Cathode

Received date : January. 17. 2017

Test Performaing date: January. 17. 2017 ~ January. 25. 2017

Issued date : January. 25. 2017

Test Performed : KQTI Tested the samples selected by applicant following results

Test Results : For further details, Please Refer to following pages

Testing Environment : Temperature $(25 \sim 27)$ °C, Humidity $(17 \sim 20)$ % R.H.

Researcher: H.J.SIM

Lab Manager: W.T.KIM

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Report No.

KR-170117-65-02

Sample No.

2

Sample Description

Cathode

Heavy Metals

Test items	Unit	Test Method	MDL	Results
Cadmium(Cd)	mg/kg	KS C IEC 62321 : 2009, ICP	0.5	N.D
Lead (Pb)	mg/kg	KS C IEC 62321 : 2009, ICP	5	N.D
Mercury(Hg)	mg/kg	KS C IEC 62321 : 2009, ICP	2	N.D
Hexavalent Chromium(Cr ⁶⁺)	mg/kg	KS C IEC 62321 : 2009, UV/VIS	1	N.D

Flame Retardants-PBBs/PBDEs

Test items	Unit	Test Method	MDL	Results
PBBs (Polybrominated Biphenyls)			
Monobromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Dibromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Tribromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Tetrabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Pentabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Hexabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Heptabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Octabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Nonabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Decabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
PBDEs (Polybrominated Dipheny				
Monobromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Dibromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Tribromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Terabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Pentabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Hexabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Heptabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Octabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Nonabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Decabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D

NOTE: 1) N.D=Not Detectde (<MDL)

2) MDL=Method Detection Limit

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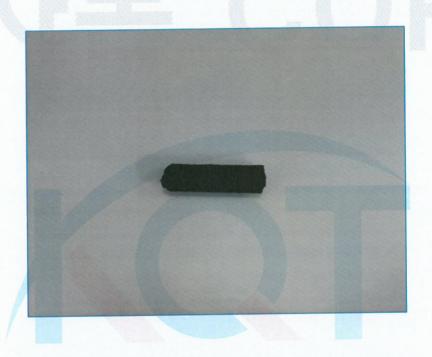
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Picture of sample as Received:



End

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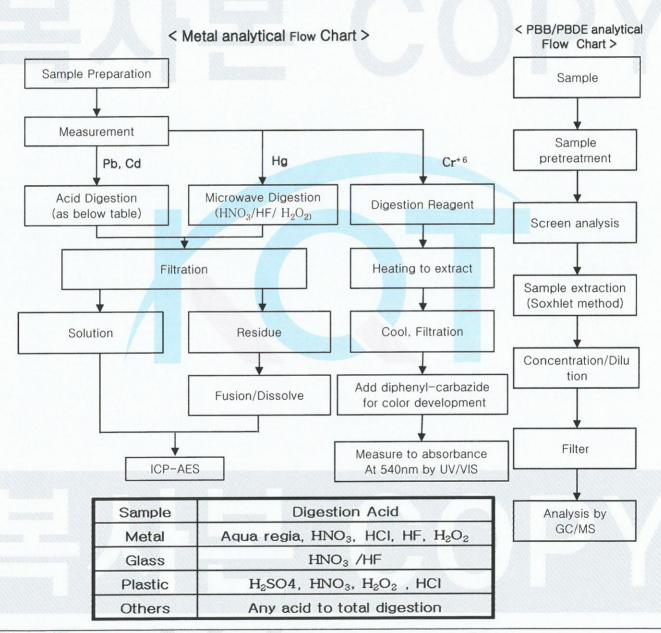
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Report No.

KR-170117-65-02

1) These samples were dissolved totally by method according to below flow chart.



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Report No. : KR-170117-65-03

Client : S-Connect. Co., Ltd.

30, Marudeul-gil, 172beon-gil, Opo-eup, Gwangju-si, Gyeonggi-Do, Korea

The following merchandise was submitted and identified by the client

Model Name : Header Assy'

Received date : January. 17. 2017

Test Performaing date: January. 17. 2017 ~ January. 25. 2017

Issued date : January. 25. 2017

Test Performed : KQTI Tested the samples selected by applicant following results

Test Results : For further details, Please Refer to following pages

Testing Environment : Temperature $(25 \sim 27)$ °C, Humidity $(17 \sim 20)$ % R.H.

Researcher: H.J.SIM

Lab Manager: W.T.KIM

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Report No. :

KR-170117-65-03

Sample No.

3

Sample Description

Header Assy'

Heavy Metals

Test items	Unit	Test Method	MDL	Results
Cadmium(Cd)	mg/kg	KS C IEC 62321 : 2009, ICP	0.5	N.D
Lead (Pb)	mg/kg	KS C IEC 62321 : 2009, ICP	5	N.D
Mercury(Hg)	mg/kg	KS C IEC 62321 : 2009, ICP	2	N.D
Hexavalent Chromium(Cr ⁶⁺)	mg/kg	KS C IEC 62321 : 2009, UV/VIS	1	N.D

Flame Retardants-PBBs/PBDEs

Test items	Unit	Test Method	MDL	Results
PBBs (Polybrominated Biphenyls	s)			
Monobromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Dibromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Tribromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Tetrabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Pentabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Hexabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Heptabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Octabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Nonabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Decabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
PBDEs (Polybrominated Dipheny	l Ethers)			
Monobromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Dibromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Tribromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Terabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Pentabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Hexabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Heptabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Octabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Nonabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Decabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D

NOTE: 1) N.D=Not Detectde (<MDL)

2) MDL=Method Detection Limit

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Report No. : KR-170117-65-03

Picture of sample as Received:



End

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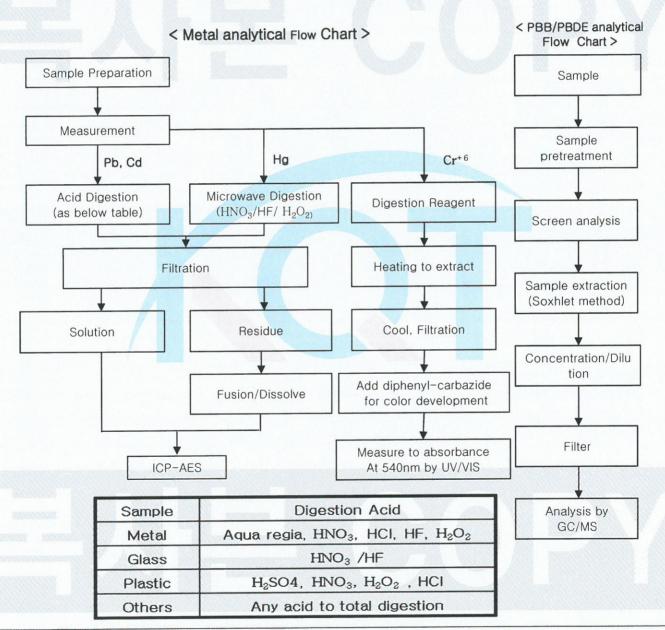
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Report No.

KR-170117-65-03

1) These samples were dissolved totally by method according to below flow chart.



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Report No. : KR-170117-65-04

Client : S-Connect. Co., Ltd.

30, Marudeul-gil, 172beon-gil, Opo-eup, Gwangju-si, Gyeonggi-Do, Korea

The following merchandise was submitted and identified by the client

Model Name : Electrolyte

Received date : January. 17. 2017

Test Performaing date: January. 17. 2017 ~ January. 25. 2017

Issued date : January. 25. 2017

Test Performed : KQTI Tested the samples selected by applicant following results

Test Results : For further details, Please Refer to following pages

Testing Environment : Temperature $(25 \sim 27)$ °C, Humidity $(17 \sim 20)$ % R.H.

Researcher: H.J.SIM

Lab Manager: W.T.KIM

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Report No. :

Sample No. : 4

Sample Description : Electrolyte

Heavy Metals

Test items	Unit	Test Method	MDL	Results
Cadmium(Cd)	mg/kg	KS C IEC 62321 : 2009, ICP	0.5	N.D
Lead (Pb)	mg/kg	KS C IEC 62321 : 2009, ICP	5	N.D
Mercury(Hg)	mg/kg	KS C IEC 62321 : 2009, ICP	2	N.D
Hexavalent Chromium(Cr ⁶⁺)	mg/kg	KS C IEC 62321 : 2009, UV/VIS	1	N.D

Flame Retardants-PBBs/PBDEs

Test items	Unit	Test Method	MDL	Results
PBBs (Polybrominated Biphenyls)			
Monobromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Dibromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Tribromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Tetrabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Pentabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Hexabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Heptabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Octabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Nonabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Decabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
PBDEs (Polybrominated Dipheny	l Ethers)			
Monobromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Dibromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Tribromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Terabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Pentabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Hexabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Heptabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Octabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Nonabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Decabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D

NOTE: 1) N.D=Not Detectde (<MDL)

2) MDL=Method Detection Limit

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Report No.

KR-170117-65-04

Picture of sample as Received:



End

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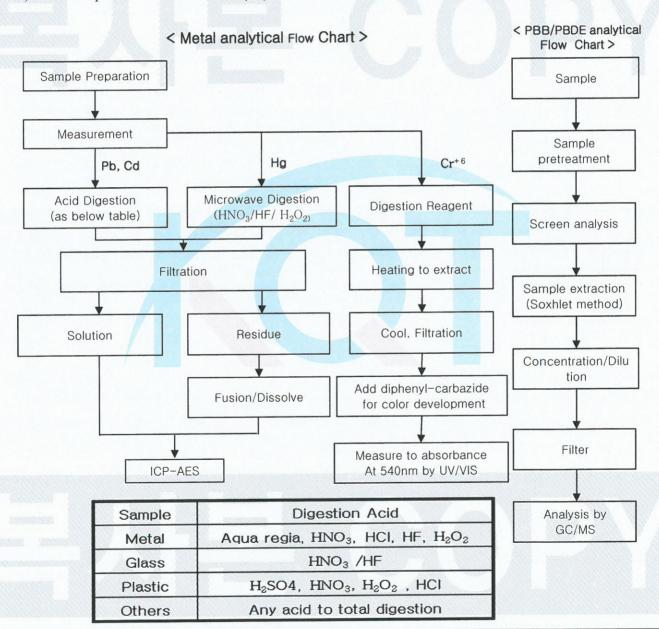
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Report No.

KR-170117-65-04

1) These samples were dissolved totally by method according to below flow chart.



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Report No. : KR-170117-65-05

Client : S-Connect. Co., Ltd.

30, Marudeul-gil, 172beon-gil, Opo-eup, Gwangju-si, Gyeonggi-Do, Korea

The following merchandise was submitted and identified by the client

Model Name : Spacer

Received date : January. 17. 2017

Test Performaing date: January. 17. 2017 ~ January. 25. 2017

Issued date : January. 25. 2017

Test Performed : KQTI Tested the samples selected by applicant following results

Test Results : For further details, Please Refer to following pages

Testing Environment : Temperature $(25 \sim 27)$ °C, Humidity $(17 \sim 20)$ % R.H.

Researcher: H.J.SIM,

Lab Manager: W.T.KIM/

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Report No. : KR-170117-65-05

Sample No. : 5

Sample Description : Spacer

Heavy Metals

Test items	Unit	Test Method	MDL	Results
Cadmium(Cd)	mg/kg	KS C IEC 62321 : 2009, ICP	0.5	N.D
Lead (Pb)	mg/kg	KS C IEC 62321 : 2009, ICP	5	N.D
Mercury(Hg)	mg/kg	KS C IEC 62321 : 2009, ICP	2	N.D
Hexavalent Chromium(Cr ⁶⁺)	mg/kg	KS C IEC 62321 : 2009, UV/VIS	1	N.D

Flame Retardants-PBBs/PBDEs

Test items	Unit	Test Method	MDL	Results
PBBs (Polybrominated Biphenyls	s)			
Monobromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Dibromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Tribromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Tetrabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Pentabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Hexabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Heptabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Octabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Nonabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Decabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
BDEs (Polybrominated Dipheny	l Ethers)			
Monobromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Dibromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Tribromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Terabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Pentabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Hexabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Heptabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Octabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Nonabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Decabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D

NOTE: 1) N.D=Not Detectde (<MDL)

2) MDL=Method Detection Limit

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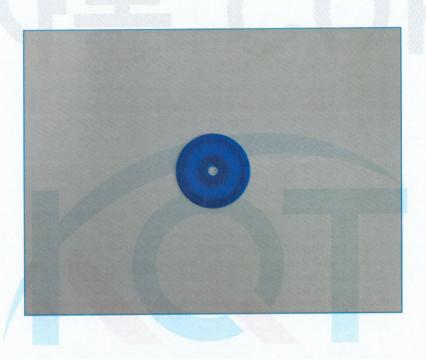
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Report No.

: KR-170117-65-05

Picture of sample as Received:



End

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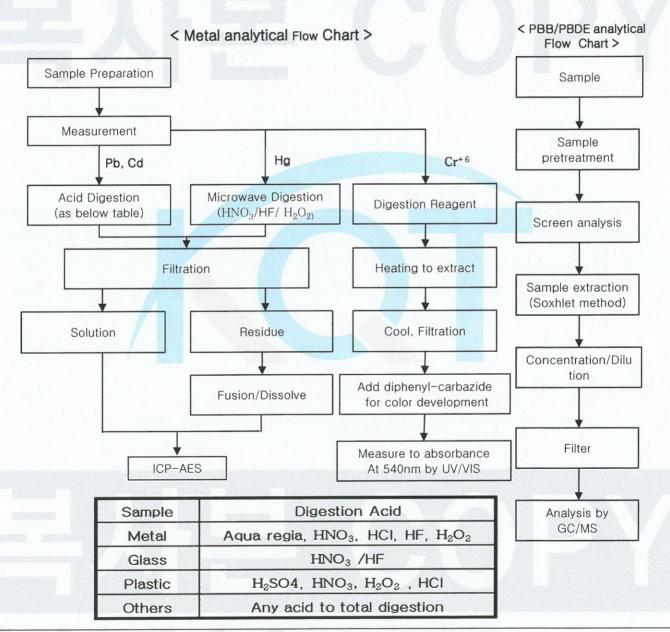
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Report No.

KR-170117-65-05

1) These samples were dissolved totally by method according to below flow chart.



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Report No. : KR-170117-65-06

Client : S-Connect. Co., Ltd.

30, Marudeul-gil, 172beon-gil, Opo-eup, Gwangju-si, Gyeonggi-Do, Korea

The following merchandise was submitted and identified by the client

Model Name : Case

Received date : January. 17. 2017

Test Performaing date: January. 17. 2017 ~ January. 25. 2017

Issued date : January. 25. 2017

Test Performed : KQTI Tested the samples selected by applicant following results

Test Results : For further details, Please Refer to following pages

Testing Environment : Temperature $(25 \sim 27)$ °C, Humidity $(17 \sim 20)$ % R.H.

Researcher: H.J.SIM

Lab Manager : W.T.KIM

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Report No. : KR-170117-65-06

Sample No. : 6

Sample Description : Case

Heavy Metals

Test items	Unit	Test Method	MDL	Results
Cadmium(Cd)	mg/kg	KS C IEC 62321 : 2009, ICP	0.5	N.D
Lead (Pb)	mg/kg	KS C IEC 62321 : 2009, ICP	5	N.D
Mercury(Hg)	mg/kg	KS C IEC 62321 : 2009, ICP	2	N.D
Hexavalent Chromium(Cr ⁶⁺)	mg/kg	KS C IEC 62321 : 2009, UV/VIS	1	N.D

Flame Retardants-PBBs/PBDEs

Test items	Unit	Test Method	MDL	Results
PBBs (Polybrominated Biphenyls	s)			
Monobromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Dibromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Tribromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Tetrabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Pentabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Hexabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Heptabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Octabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Nonabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Decabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
PBDEs (Polybrominated Dipheny	l Ethers)			
Monobromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Dibromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Tribromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Terabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Pentabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Hexabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Heptabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Octabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Nonabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Decabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D

NOTE: 1) N.D=Not Detectde (<MDL)

2) MDL=Method Detection Limit

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Report No.

KR-170117-65-06

Picture of sample as Received:



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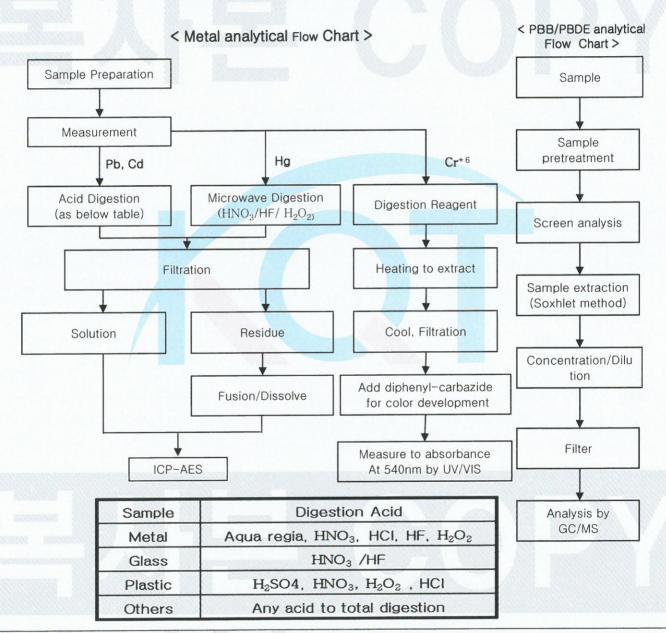
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Report No.

KR-170117-65-06

1) These samples were dissolved totally by method according to below flow chart.



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Report No. : KR-170117-65-07

Client : S-Connect. Co., Ltd.

30, Marudeul-gil, 172beon-gil, Opo-eup, Gwangju-si, Gyeonggi-Do, Korea

The following merchandise was submitted and identified by the client

Model Name : Separator

Received date : January. 17. 2017

Test Performaing date: January. 17. 2017 ~ January. 25. 2017

Issued date : January. 25. 2017

Test Performed : KQTI Tested the samples selected by applicant following results

Test Results : For further details, Please Refer to following pages

Testing Environment : Temperature $(25 \sim 27)$ °C, Humidity $(17 \sim 20)$ % R.H.

Researcher: H.J.SIM

Lab Manager: W.T.KIM

1010 (Goseac-dong, SUWON HUMAN SKY VALLEY) 33 Omokcheon-ro 132beon-gil, Gwonseon-gu, Suwon-si, Gyeonggi-do, KOREA

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KR-170117-65-07

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Report No. :

Sample No. : 7

Sample Description : Separator

Heavy Metals

Test items	Unit	Test Method	MDL	Results
Cadmium(Cd)	mg/kg	KS C IEC 62321 : 2009, ICP	0.5	N.D
Lead (Pb)	mg/kg	KS C IEC 62321 : 2009, ICP	5	N.D
Mercury(Hg)	mg/kg	KS C IEC 62321 : 2009, ICP	2	N.D
Hexavalent Chromium(Cr ⁶⁺)	mg/kg	KS C IEC 62321 : 2009, UV/VIS	1	N.D

Flame Retardants-PBBs/PBDEs

Test items	Unit	Test Method	MDL	Results
PBBs (Polybrominated Biphenyls)			
Monobromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Dibromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Tribromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Tetrabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Pentabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Hexabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Heptabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Octabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Nonabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Decabromobiphenyl	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
PBDEs (Polybrominated Dipheny	l Ethers)			
Monobromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Dibromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Tribromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Terabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Pentabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Hexabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Heptabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Octabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Nonabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D
Decabromodiphenyl ether	mg/kg	KS C IEC 62321 : 2009, GC/MS	5	N.D

NOTE: 1) N.D=Not Detectde (<MDL)

2) MDL=Method Detection Limit

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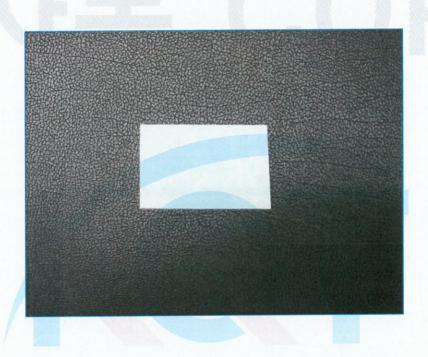
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Report No.

KR-170117-65-07

Picture of sample as Received:



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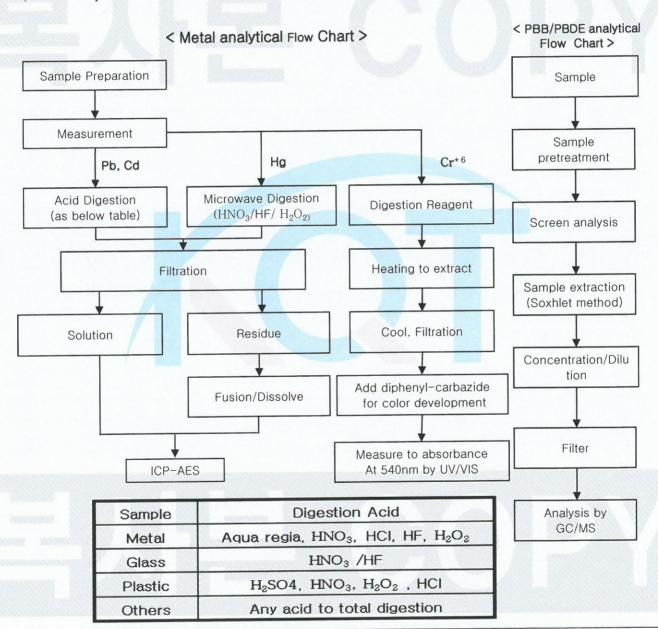
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Report No.

KR-170117-65-07

1) These samples were dissolved totally by method according to below flow chart.



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