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TEST REPORT

Report No: AR-23-Q5-010478-01
Customer: EQX MATERIALS SDN BHD (642947-T)
Date of Issue: 08/08/2023

Batch No: EUMY04-00006228

To: **EQX MATERIALS SDN BHD (642947-T)**
Lorong Perindustrian Bukit Minyak 22,
Penang Science Park, 14100 Simpang Ampat
14100 Penang
MALAYSIA

Attn: Mr RAYMOND KAN

Date Sample Received: 01/08/2023
Date of Testing: 01/08/2023 to 08/08/2023

The following sample(s) was(were) identified by the customer as:

187-2023-08000308:
Tse3051 Momentive
performance Materials

This 1 page(s) of report and its attachment(s), if relevant, has/have been validated by

ChM. Koh Yew Ming, Dr. , *PhD in Analytical Chemistry*
IKM Registered Chemist
Registered No: F/0121/4003/99/19

EXPLANATORY NOTE

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N/A means not applicable.
<LOD means not detected at or below the Limit of Detection (LOD).
<LOQ means below the Limit of Quantification (LOQ).

- End of Report -

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TEST REPORT

Report No: AR-23-SV-033035-01
Customer: EQX MATERIALS SDN BHD (642947-T)
Date of Issue: 07/08/2023

Batch No: EUMYBM-00145161
Sample No: 138-2023-08000514

To: **EQX MATERIALS SDN BHD (642947-T)**
Lorong Perindustrian Bukit Minyak 22,
Penang Science Park, 14100 Simpang Ampat
14100 Penang
MALAYSIA

Attn: Mr RAYMOND KAN

Date Sample Received: 02/08/2023
Date of Testing: 03/08/2023 to 07/08/2023

The following sample was identified by the customer as :
Tse3051 Momentive Performance Materials

Client Sample Code: 187-2023-08000308

Objective (s): 1.Determination of Cadmium (Cd), Hexavalent Chromium (Cr6+), Lead (Pb), Mercury (Hg), Phthalates, Polybrominated Biphenyl (PBBs), Polybrominated Diphenyl Ether (PBDEs) with RoHS Directive 2011/65/EU and (EU) 2015/863 (amendment in Annex II).
2.Determination of Antimony (Sb), Bromine (Br), Chlorine (Cl), Fluorine (F), Iodine (I) for above sample.

Conclusion :

Test(s) Required	Compliance with Objective(s)
Cadmium (Cd), Lead (Pb), Mercury (Hg), Hexavalent Chromium (Cr6+), Monobromobiphenyl, Dibromobiphenyls, Tribromo biphenyls, Tetrabromo biphenyls, Pentabromo biphenyls, Hexabromo biphenyls,Heptabromobiphenyl, Octabromo biphenyls, Nonabromo biphenyls, Decabromo biphenyls, SumPolybrominated Biphenyles (PBB), Monobromodiphenyl ether, Dibromodiphenylether, Tribromo diphenylethers, Tetrabromo diphenyl ethers, Pentabromodiphenyl ether, Hexabromo diphenyl ethers, Heptabromodiphenyl ethers, Octabromo diphenyl ethers, Nonabromo diphenyl ethers, Decabromo diphenyl ethers, Sum Polybrominated Diphenyl Ether (PBDE), Benzylbutyl phthalate (BBP), Dibutyl phthalate (DBP), Di-isobutylphthalate (DiBP), Bis(2-ethylhexyl phthalate (DEHP)	Comply
Antimony (Sb), Bromine (Br), Chlorine (Cl), Fluorine (F), Iodine (I)	-

Test Result(s):

Analysis	Industrial Products Analysis	Unit	Result	LOQ	Test Method	Specification
SVK51	Cadmium (Cd)	mg/kg	<LOQ	1	IEC 62321-5:2013	≤100mg/kg
SVL03	Lead (Pb)	mg/kg	<LOQ	10	IEC 62321-5:2013	≤1000mg/kg
SVK82	Mercury (Hg)	mg/kg	<LOQ	5	IEC 62321-4:2013	≤1000mg/kg
SVV1M	Hexavalent Chromium (Cr6+)	mg/kg	<LOQ	20	IEC 62321-7-2:2015	≤1000mg/kg
SVK16	**Polybrominated Biphenyl (PBBs)**				IEC 62321-6:2015	
	Decabromo biphenyl	mg/kg	<LOQ	20		Refer Note 2
	Dibromo biphenyl	mg/kg	<LOQ	20		Refer Note 2
	Heptabromo biphenyl	mg/kg	<LOQ	20		Refer Note 2
	Hexabromo biphenyl	mg/kg	<LOQ	20		Refer Note 2
	Monobromo biphenyl	mg/kg	<LOQ	20		Refer Note 2
	Nonabromo biphenyl	mg/kg	<LOQ	20		Refer Note 2
	Octabromo biphenyl	mg/kg	<LOQ	20		Refer Note 2
	Pentabromo biphenyl	mg/kg	<LOQ	20		Refer Note 2
	Sum Polybrominated Biphenyls (PBBs)	mg/kg	<LOQ	20		≤1000mg/kg

Report No: AR-23-SV-033035-01
Customer: EQX MATERIALS SDN BHD (642947-T)
Date of Issue: 07/08/2023

Batch No: EUMYBM-00145161
Sample No: 138-2023-08000514

Analysis	Industrial Products Analysis	Unit	Result	LOQ	Test Method	Specification
	Tetrabromo biphenyl	mg/kg	<LOQ	20		Refer Note 2
	Tribromo biphenyl	mg/kg	<LOQ	20		Refer Note 2
SVK17	**Polybrominated Diphenyl Ether (PBDEs)**				IEC 62321-6:2015	
	Decabromo diphenyl ether	mg/kg	<LOQ	20		Refer Note 2
	Dibromo diphenyl ether	mg/kg	<LOQ	20		Refer Note 2
	Heptabromo diphenyl ether	mg/kg	<LOQ	20		Refer Note 2
	Hexabromo diphenyl ether	mg/kg	<LOQ	20		Refer Note 2
	Monobromo diphenyl ether	mg/kg	<LOQ	20		Refer Note 2
	Nonabromo diphenyl ether	mg/kg	<LOQ	20		Refer Note 2
	Octabromo diphenyl ether	mg/kg	<LOQ	20		Refer Note 2
	Pentabromo diphenyl ether	mg/kg	<LOQ	20		Refer Note 2
	Sum Polybrominated Diphenyl Ethers (PBDEs)	mg/kg	<LOQ	20		≤1000mg/kg
	Tetrabromo diphenyl ether	mg/kg	<LOQ	20		Refer Note 2
	Tribromo diphenyl ether	mg/kg	<LOQ	20		Refer Note 2
SVV1Q	**Phthalates**				IEC 62321-8:2017	
	Benzyl butyl phthalate (BBP)	% (w/w)	<LOQ	0.02		≤0.1%
	Bis(2-ethylhexyl)phthalate (DEHP)	% (w/w)	<LOQ	0.02		≤0.1%
	Dibutyl phthalate (DBP)	% (w/w)	<LOQ	0.02		≤0.1%
	Di-isobutyl phthalate (DiBP)	% (w/w)	<LOQ	0.02		≤0.1%
SVL43	Bromine (Br)	mg/kg	<LOQ	50	BS EN 14582 (Calorimetric Bomb/Ion Chromatography)	-
SVL44	Chlorine (Cl)	mg/kg	<LOQ	50	BS EN 14582 (Calorimetric Bomb/Ion Chromatography)	-
SVL53	Fluorine (F)	mg/kg	<LOQ	50	BS EN 14582 (Calorimetric Bomb/Ion Chromatography)	-
SVL51	Iodine (I)	mg/kg	<LOQ	50	BS EN 14582 (Calorimetric Bomb/Ion Chromatography)	-
SVK18	Antimony (Sb)	mg/kg	<LOQ	10	US EPA 6010C	-
SVK03	Microwave Assisted Acid Digestion	-	Done	-	US EPA 3052	-

Specification Note
1. RoHS Directive 2011/65/EU and (EU) 2015/863 (amendment in Annex II)
2. Based on sum amount of PBB/PBDE limit, which is ≤1000mg/kg

Remark
1. The test portion was totally dissolved for cadmium, lead & mercury test by using pre-conditioning method as mentioned above.
2. IEC 62321 flowchart can be obtained from https://cdnmedia.eurofins.com/apac/media/606192/efctm001-issue-2.pdf
3. BS EN 14582:2007 flowchart can be obtained from https://cdnmedia.eurofins.com/apac/media/601321/efctm003issue01.pdf
4. Sample was tested based on dry basis.

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Report No: AR-23-SV-033035-01
Customer: EQX MATERIALS SDN BHD (642947-T)
Date of Issue: 07/08/2023

Batch No: EUMYBM-00145161
Sample No: 138-2023-08000514

This 3 page(s) of report and its attachment(s), if relevant, has/have been validated by

ChM. Sheue Fen Ong, *B. Sc (Hons) Industrial Chemistry*
IKM Registered Chemist
Registered No.:M/2864/5629/09

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Sample Photograph

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