

### **Test Report**

COA No.: TCOA17-0292-01

188, Moonji-ro, Yuseong-gu, Daejeon, 34122, Korea Tel: +82-42-866-2701 Fax: +82-42-861-2057 MAR. 16, 2017

Client Name Client Company Application JIN A KWAK ABS Division, LG Chem, Ltd. Requested by Client

Sample Name/Description Sample Received Testing Date Testing Environment Reporting Date

ABS AF312C March 09, 2017 March 13, 2017 ~ March 16, 2017 Temperature : (22 ± 5) °C, Humidity : (28 ± 5) % R.H. MAR. 16, 2017

Testing method Results Please see the following page(s). Please see the following page(s).

- 1. The results shown in this report refer only to the sample with which the client provided. The sample name is referred as client assigned.
- 2. This report cannot be duplicated or utilized without prior permission.
- 3. This report can be reissued after approval by technical manager and director of analytical center

Tested by

Sangwoo Kim / Analyst

Authorized by

Woongjin Lee / Technical Manager



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Registration number TQPF-0026-02-4k



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Unit : mg/kg

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### Result(s)

### Sample Description : ABS AF312C Heavy Metals

Test Items	Results	MDL	Test Method
Pb allow	) ND	5	ICP/OES, IEC 62321-5:2013
Cd	ND	2	ICP/OES, IEC 02321-5.2013
Cr <sup>6+</sup>	ND	2.0	UV-Vis Spectrometer, IEC 62321:2008
Hg	ND	STEL 1	TD(G)-AAS, IEC 62321-4:2013

#### Flame Retardants-PBBs/PBDEs

Test Items	Results	MDL	Test Method
Monobromobiphenyl	ND	5 010	
Dibromobiphenyl	ND	5	
Tribromobiphenyl	ND	101 50 MM	of the party of the second s
Tetrabromobiphenyl	ND	5	A BESTERN
Pentabromobiphenyl	ND	5	
Hexabromobiphenyl	ND	5	
Heptabromobiphenyl	ND	5	
Octabromobiphenyl	ND	ALL 55	THE OLID
Nonabromobiphenyl	ND	5	the state of the second st
Decabromobiphenyl	ND	5	GC/MS, IEC62321-6:2015
Monobromodiphenyl ether	ND	5	
Dibromodiphenyl ether	ND	5	
Tribromodiphenyl ether	ND	5	
Tetrabromodiphenyl ether	ND	5	
Pentabromodiphenyl ether	ND	5	
Hexabromodiphenyl ether	ND	5 5	
Heptabromodiphenyl ether	ND 🔊	mu <sup>AA</sup> 5	and the second s
Octabromodiphenyl ether	ND	5	att out
Nonabromodiphenyl ether	ND	5	A WAST AND
Decabromodiphenyl ether	ND	5	

\* ND : Not Detected

\* MDL : Method Detection Limit

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#### **Phthalates**

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Test Items	Results	MDL	Test Method
Dimethyl phthalate	ND	50	GC/MS, KOI-0052-2K
Diethyl phthalate	ND	50	(In house method in compliance with KS M 1991:2011)
Di-n-butyl phthalate	ND	50	0 A120
Di-iso-butyl phthalate	ND	50	ST S
Butyl benzyl phthalate	ND	50	Contraction of the Contraction
Di-(2-ethylhexyl)- phthalate	ND	50	GC/MS, KS M 1991:2011
Di-n-octyl phthalate	ND	50	
Di-iso-nonyl phthalate	ND	50	4
Di-iso-decyl phthalate 🚕	ND	50	





