

Test Report

COA No.: TCOA17-0569-01

188, Moonji-ro, Yuseong-gu, Daejeon, 34122, Korea Tel: +82-42-866-2701 Fax: +82-42-861-2057 SEP. 26, 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 HI121H September 18, 2017 September 20, 2017 ~ September 22, 2017 Temperature : (23 ± 2) °C, Humidity : (43 ± 8) % R.H. SEP. 26, 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
- 4. This report revised form of

Tested by

Hyunkyung Yoon / Analyst

Authorized by

Woongjin Lee / Technical Manager



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Registration number TQPF-0026-03-0k



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Result(s)

Sample Description : ABS HI121H

Heavy Metals

Test Items	Results	MDL	Test Method
Pb ALL S	ND	5	all in
Cd	ND	2	ICP/OES, IEC 62321-5:2013
Cr	ND	2	- ALT DE CHIL
Hg	ND	STIL 1	TD(G)-AAS, IEC 62321-4:2013

* Cr content includes entire Cr species including Cr⁶⁺

Flame Retardants-PBBs/PBDEs

Unit : mg/kg

Unit : mg/kg

Test Items	Results	MDL	Test Method
Monobromobiphenyl	ND	5	
Dibromobiphenyl	ND	5 5	the second s
Tribromobiphenyl	ND	5	a structure
Tetrabromobiphenyl	ND 🦳	5	PUS!
Pentabromobiphenyl	ND	5	
Hexabromobiphenyl	ND	5	
Heptabromobiphenyl	ND	AND 5	The state of the s
Octabromobiphenyl	ND	5	and Provide Contraction of the
Nonabromobiphenyl	ND	5	tallow our
Decabromobiphenyl	ND	5	GC/MS, IEC62321-6:2015
Monobromodiphenyl ether	ND	5	GC/M3, 12002321-0.2013
Dibromodiphenyl ether	ND	5	
Tribromodiphenyl ether	ND	5	
Tetrabromodiphenyl ether	ND	5	
Pentabromodiphenyl ether	ND	5	ALL TO
Hexabromodiphenyl ether	ND 🔊	5	- Marine Contraction
Heptabromodiphenyl ether	ND	5	tel Printer and Printe
Octabromodiphenyl ether	ND	5	austre austre
Nonabromodiphenyl ether	ND	5	
Decabromodiphenyl ether	ND	5	

* ND : Not Detected

* MDL : Method Detection Limit



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Unit : mg/kg

Phthalates

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 1991:2015)
Di-n-butyl phthalate	ND	50	all all
Di-iso-butyl phthalate	ND	50	A BEACH
Butyl benzyl phthalate	ND	50	ALT BE CHILD
Di-(2-ethylhexyl)- phthalate	ND	50	GC/MS, KS M 1991:2015
Di-n-octyl phthalate	ND	50	
Di-iso-nonyl phthalate	ND	50	
Di-iso-decyl phthalate	ND	50	
Di-iso-decyl phthalate	ND	50	0

* MDL: Method Detection Limit





