

Test Report

COA No.: TCOA18-0207-01

188, Moonji-ro, Yuseong-gu, Daejeon, 34122, Korea Tel: +82-42-866-2701 Fax: +82-42-861-2057 **MAR. 19, 2018**

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 AF312A March 12, 2018 March 14, 2018 ~ March 16, 2018 Temperature : (25 ± 2) °C, Humidity : (35 ± 7) % R.H. MAR. 19, 2018

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

13/2/25

Son Jihyang / Analyst

Authorized by

Woongjin Lee / Technical Manager



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Registration number TQPF-0026-02-5k



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Result(s)

Sample Description : ABS AF312A

Heavy Metals

Test Items	Results	MDL	Test Method
Pb	ND	5 10 10	- AL - 10
Cd	ND	2	ICP/OES, IEC 62321-5:2013
Cr	ND	2	- FALT DE CHIL
Hg	ND	STE 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	St. Control of the second s
Dibromobiphenyl	ND	5	the state of the s
Tribromobiphenyl	ND	5	al Altroute
Tetrabromobiphenyl	ND 🦳	5	Pust.
Pentabromobiphenyl	ND	5	
Hexabromobiphenyl	ND	5	
Heptabromobiphenyl	ND	5	The state of the s
Octabromobiphenyl	ND	5	and Provide Contraction of the
Nonabromobiphenyl	ND	5	a sale of our
Decabromobiphenyl	ND	5	GC/MS, IEC62321-6:2015
Monobromodiphenyl ether	ND	5	000
Dibromodiphenyl ether	ND	5	
Tribromodiphenyl ether	ND	5	
Tetrabromodiphenyl ether	ND	5	
Pentabromodiphenyl ether	ND	5	A CLIP
Hexabromodiphenyl ether	ND 🔊	5	- Marine - Marine
Heptabromodiphenyl ether	ND	5	att Conton
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 (In house method in compliance with KS M
Diethyl phthalate	ND	50	1991:2015)
Di-n-butyl phthalate	ND	50	2 ALL 20
Di-iso-butyl phthalate	ND	50	and the state of the
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	
ID: Not Detected		15	

* ND: Not Detected

* MDL: Method Detection Limit





