

CERTIFICATE



20 Yoido-Dong, Yong Dug Po-Gu
Seoul , Korea

▪ Issued by :

- 70-1 Hwachi-Dong Yosu-City
Chunnam-Do, LG Chem, Ltd.
Yosu Operation ABS/PS QA Team
- Tel : 82-61-680-1210
- Fax : 82-61-680-6023

Grade

80HFICELLHK

Issue date

November 21, 2006.

Page

1 of 2

1. Certificate

1) This is to certify LG Chem ABS Resin has been tested in accordance with
European Standard *EN71-9,10,11*

2) We hereby certify that above grade complies with European Standard
EN71-9,10,11

Monomers(migration)

Compound	CAS NO.	Limit
Acrylamide	79-06-1	Action limit
Bisphenol A	80-05-7	0.1 mg/l
Formaldehyde	50-00-0	2.5 mg/l
Phenol	108-95-2	15 mg/l
Styrene	100-42-5	0.75 mg/l

Plasticizers(migration)

Compound	CAS NO.	Limit
Triphenyl phosphate	115-86-6	Action limit
Tri-o-cresyl phosphate	78-30-8	Action limit
Tri-m-cresyl phosphate	563-04-2	Action limit
Tri-p-cresyl phosphate	78-32-0	Action limit

☞ Limited are expressed as amount of substance per liter of simulant(see EN71-11)

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Page

2 of 2

Solvents

Compound	CAS NO.	Limit
Trichloroethylene	79-01-6	Action limit
Dichloromethane	75-09-2	0.06 mg/l
2-Methoxyethyl acetate	110-49-6	0.5 mg/l (Total)
2-Ethoxyethanol	110-80-5	
2-Ethoxyethyl acetate	111-15-9	
Bis(2-methoxyethyl) ether	111-96-6	
2-Methoxypropyl acetate	70657-70-4	
Methanol	67-56-1	5 mg/l
Nitrobenzene	98-95-3	Action limit
Cyclohexanone	108-94-1	46 mg/l
3,5,5-Trimethyl-2-cyclohexene-1-one	78-59-1	3 mg/l
Toluene	108-88-3	2 mg/l
Ethylbenzene	100-41-4	1 mg/l
Xylene(all isomers)	Various	2 mg/l(total)

☞ Limited are expressed as amount of substance per liter of simulant(see EN71-11)

ABS/PS QA Manager J.S. Ko
LG Chem, Ltd

Jae Seo Ko