

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 : 82-61-680-6063

Product	SAN
Grade	80HF,82TR
Issue date	April 25, 2006.

1. Information of Chemical

- Chemical Product Name : SAN Resin.
- CAS No : 9003-54-7
- Usage : The application of Electronic & Automobile part and so on.
- Chemical Type : Thermoplastics
- Product Information : www.chemwide.com

2. Certificate

- This certifies that below mentioned substances are never used as additives in the manufacturing process by intention.
- We hereby certify that above grade does not contain below mentioned substances.

Not Used and not contain these substances

Phthalates	CAS Nos	EINECS Nos	Restrictions
Bis(2-ethylexyl) Phthalate(DEHP)	117-81-7	204-211-0	0.1% by mass of the plasticized material in toys and childcare articles
Dibutyl phthalate(DBP)	84-74-2	201-557-4	
Benzyl butyl phthalate(BBP)	85-68-7	201-622-7	
Di- ⁿ isononyl ⁿ Phthalate(DINP)	28553-12-0 68515-48-0	249-079-5 271-090-9	0.1% by mass of the plasticized material in toys and childcare articles Which can be placed in the mouth by children
Di- ⁿ isodecyl ⁿ Phthalate(DIDP)	26761-40-0 68515-49-1	247-977-1 271-091-4	
Dioctyl phthalate(DNOP)	117-84-0	204-214-7	

Jae Seo Ko

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