CERTIFICATE

Product	MABS
Grade	TR580
Issue date	February 17, 2016



- 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, Korea
 Issued by
 55, Yeosusandan 2-ro, Yeosu-si Jeollanam-do, Korea.
 - LG Chem, Ltd. Yeosu Plant ABS QA Team
- * Tel : 82-61-680-1210
- * Fax : 82-61-680-6023

□ Information of Chemicals

- Chemical Product Name : MABS Resin
- Use : Medical application (Various connectors)
- Chemical Type : Thermoplastics
- MSDS Information : www.chemwide.com

□ Certificate

- TR580 is in compliance with Pharmacopoeia and Biocompatibility-Tests in Europe and United States as specified below.
 However, biocompatibility tests were recorded on tests specimens of TR580 to show compatibility of the material in general. The biocompatibility-tests listed below are not part of any continuous production control.
- US Pharmacopoeia Biological Reactivity Tests, USP Plastic Class VI (USP VI) ISO 10993-3 Biological Evaluation of Medical Devices Part 3
 : Tests for Genotoxicity ISO 10993-4 Biological Evaluation of Medical Devices Part 4
 : Tests for Hemocompatibility ISO 10993-5 Biological Evaluation of Medical Devices Part 5
 : Test for Cytotoxicity ISO 10993-10 Biological Evaluation of Medical Devices Part 10
 : Test for Irritation or intracutaneous reactivity ISO 10993-11 Biological Evaluation of Medical Devices Part 11
 : Test for Systemic toxicity

Yong Jun Kim

QA Manager Y.J.Kim LG Chem, Ltd

***** THIS DOCUMENT IS FOR INFORMATION PURPOSE ONLY. THIS DOCUMENT DOES NOT CONSTITUTE A CONTRACT OR A PRE-CONTRACT AND IT IS NON-BINDING ON LG CHEM IN ANY MANNER WHATSOEVER.