

CERTIFICATE OF ANALYSIS

Doc. No. : 159/COA/MAP/IV/12
 Product Name : Triethylene Glycol (TEG)
 Packing : 225 kg
 Code MAP : 159/KI.HK - 12/4/12
 Received Date : April 12, 2012
 No. Lot / Batch : 20120330

The above samples were analysed and the following results have been obtained :

NO.	ANALYSIS ITEM	UNIT	SPECIFICATION	RESULT
1	Appearance		Clear Colorless	Clear Colorless
2	Color	APHA	Max. 30	15
3	Specific Gravity at 20/20 °C		1.1240 - 1.1350	1.1256
4	Ash	ppm		3.1
5	Water	wt %	Max. 0.1	0.04
6	Distillation Range (760 mmHg)	°C	270 - 295	289.0 - 289.4
7	Acidity as acetic acid	ppm	Max. 100	8.74
8	Purity	wt %	Min. 96.00	99.89

Remark :
 This certificate refers to the Certificate of analysis from supplier.

Jakarta, April 17, 2012
 Sincerely yours,
 Ngvita
 (Quality Control)