



A Subsidiary of PTT Global Chemical

## TOC Glycol Company Limited

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# CERTIFICATE OF ANALYSIS

ORIGINAL

29 DECEMBER 2013

COMMODITY: TRIETHANOLAMINE 99 Batch : T99B111213  
 QUANTITY: 17.60 TONS  
 TYPE/SOURCE OF SAMPLE : Running sample from  
 - 08-Q3018  
 on 11.12.13  
 SAMPLE DRAWN AND SUBMITTED BY : EA Operators  
 SAMPLE TESTED AT : PTT Chemical (Plant I-4) Laboratory, Map Ta Phut,

The following results were those obtained in the laboratory indicated above.  
The tests were witnessed by EA staff.

ITEMS	UNIT	TEST METHOD	RESULTS
Triethanolamine	% wt	ST-35.99-00	99.57
Water Content	% wt	ST-31.53-02	0.090
Colour Pt-Co unit	mg Pt/L	Inhouse Method Base on ASTM D1209-00	11
Iron	ppm	Inhouse Method Base on ASTM E 394-00	0.25
Equivalent Weight	g/equiv.	ST-5.5	149.76



บริษัท โกลด์ ไกลคอล จำกัด  
TOC Glycol Company Limited

**TOC GLYCOL COMPANY LIMITED**  
**BY MANUFACTURER**