



Certificate of Analysis

Dow Chemical Korea Ltd.

(HONG KONG BRANCH)

47/F, SUN HUNG KAI CENTRE

30 HARBOUR ROAD WANCHAI HONG KONG

Date : 2012-02-17
Lot No. : 1B1201N6PG
Dow order no. : 70-70045248

Product Description

Propylene Glycol Industrial Grade

TEST ITEM	UNIT	TEST METHOD	SPECIFICATION	RESULT
Assay	wt%	DOWM 100687-TE99B	MIN.99.50	99.93
Acidity	wt%	DOWM 101370-TE 93A	MAX.0.0020	0.0003
Color	Pt-Co	ASTM D5386	MAX.10	3
Water	wt%	ASTM E203	MAX.0.200	0.014
Chloride	ppm	DOWM 101867-M100A	MAX.1.0	<1.0
Iron, ppm	ppm	ASTM E202	MAX.0.5	<0.1
Sp.Gr @ 20/20 °C		ASTM D4052	1.0375 - 1.0390	1.0380
Sp.Gr @ 25/25 °C		ASTM D4052	1.0352 - 1.0365	130.5500
Appearance	-	Visual	PASS	PASS

The product is not intended for use pharmaceutical, food(including animal feed), or cosmetic type applications