



大连星镁矿业有限公司  
STAR GRACE MINING CO., LTD.

Add: 29-67.No.929, Xinnan Road, Shahekou District, Dalian, Liaoning, China

**CERTIFICATE OF ANALYSIS**

**PRODUCT :** PROPYLENE GLYCOL

THIS IS CERTIFY THAT WE, THE UNDERSIGNED HAVE INSPECTED THE QUALITY OF THE ABOVE MENTIONED GOODS AND FOUND THE RESULT OF INSPECTION AS FOLLOWS:

ITEMS	SPECIFICATIONS	RESULTS
PG content	99.50%min	99.91%
Moisture	0.2% max	0.019%
Density (20°C)	1.035-1.038g/cm <sup>3</sup>	1.037g/cm <sup>3</sup>
Index of refraction	1.431-1.435 <sub>n<sub>D</sub></sub> <sup>20</sup>	1.432 <sub>n<sub>D</sub></sub> <sup>20</sup>
Acidity	0.02%max	0.001%
Distillation range	184-190°C	187-189°C
Colourity (Pt-Co)	10APHA	5APHA
Appearance	Colorless, Viscous, transparent liquid	Colorless, Viscous, transparent liquid

**QUALITY CONTROL DEPT. MANAGER:** L. Mai

STAR GRACE MINING CO., LTD.  
大连星镁矿业有限公司

Wang Xiu Ling