



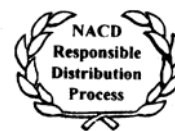
TRInternational, Inc.  
Seattle Tower, 21<sup>st</sup> Floor  
1218 Third Avenue  
Seattle, WA 98101 U.S.A.  
Phone: (206) 505-3500  
Fax: (206) 505-3501  
Web: <http://www.tritrading.com>

## CERTIFICATE OF ANALYSIS

### PROPYLENE GLYCOL USP- Kosher

TRI Ref #: 14467/0604114  
Ship Date: 5/16/06

<u>Test</u>	<u>Specifications</u>	<u>Result</u>
Specific Gravity @ C25/25	1.0376 – 1.0389	1.036
Water, wt %	0.2 Max	0.60
Color, APHA	10	2
Acidity as Acetic Acid, wt %	20 Max	9.0
IBP °C	186 Min	186.3
Dry Point °C	189 Max	187.4
Appearance @ 25	Clear & Free	Clear & Free
Chlorides, ppm	1.0 Max	0.1
Sulfates, ppm	50 Max	None
Residue on Ignition, wt ppm	50 Max	5.0
Heavy Metals, ppm	5	LT 0.1
Arsenic, ppm	3.0 Max	LT 1.0
Propylene Glycol, wt %	99.5 Min	99.95
Iron, wt. ppm	0.3 Max	0.08



Quality - Responsibility - Stewardship

