



Tose Alkamid

## Certificate of Analysis

### Butyl Triglycol

### Triethylene glycol monobutyl ether

HS Code: 29094300

CAS Number: 143-22-6

Test	Method	Units	Specification Limits		Results
			Min	Max	
Appearance	Visual	-	Clear & FFMSM		Clear & FFMSM
Color	ASTM D 1209	Pt/Co	-	5	LT 5
Specific Gravity@20° C	ASTM D 4052	g/ml	0.9850	0.9890	0.9870
Acidity	ASTM D 1613	% wt	-	0.01	0.002
Water Content	ASTM D 1364	% wt	-	0.08	0.03
Purity	GC	% wt	-	-	91.09
Distillation					
IBP	ASTM D 1078	°C	250	280	255.0
DP			-	-	291.0
Diethylene Glycol	GC	% wt	-	0.4	0.07
Triethylene Glycol	GC	% wt	-	1.2	0.66
Peroxide	ASTM D 3703	ppm	-	10	2
Total Carbonyls	ASTM E 2313	ppm	-	1000	560
Viscosity @ -40° C	ASTM D 445	cSt	450	550	459.0
Other Glycols	GC	% wt	-	-	8.13

Prepared By:

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