



JIANGSU SANMU GROUP CO., LTD

GUANLIN TOWN, YIXING CITY, JIANGSU PROVINCE, 214258, CHINA

CERTIFICATE OF ANALYSIS

TPGDA

Lot No.: 201109013

Produce Date : September 24, 2011

TERMS	STANDARD POINT	RESULT
Appearance	Transparent clear liquid	Transparent clear liquid
Color(APHA)	50Max	25
Acid Value (mgKOH/g)	1Max	0.048
Viscosity cps/25°C	8-16	13.6
Water content %	0.2Max	0.048
Ester content %	95 min	98.97

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PRODUCT: TPGDA (Sample)

LOT NO.: 201112011

PRODUCE DATE : DECEMBER 21, 2011

TERMS	STANDARD POINT	RESULT
Appearance	Transparent clear liquid	Transparent clear liquid
Color (APHA)	≤ 25	25
Acid Value (mgKOH/g)	≤ 0.5	0.1
Viscosity cps/25°C	10-16	13
Water content %	≤ 0.1	0.0186
Ester content %	≥ 98	100.36

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PRODUCT: TPGDA (Sample)

LOT NO.: 201207006

PRODUCE DATE : 14th JULY,2012

TERMS	STANDARD POINT	RESULT
Appearance	Transparent clear liquid	Transparent clear liquid
Color (APHA)	≤ 25	25
Acid Value (mgKOH/g)	≤ 0.5	0.22
Viscosity cps/25°C	10-16	14.2
Water content %	≤ 0.1	0.0124
Ester content %	≥ 98	99.84
Inhibitor Content ppm	200±60	145

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