



FRP Services & Co.

CERTIFICATE OF ANALYSIS

We hereby certify that the following is precise and accurate.

Issue 05-Jan-18

No 1C0PKW-00

To Whom It May Concern

Chemical name Dimethylaminoethyl Methacrylate

MITSUBISHI GAS CHEMICAL COMPANY, INC.

Mitsubishi Building,5-2,Marunouchi 2-chome,chiyodaku,Tokyo,100-8324,Japan

TEL : +81-3-3283-5000 FAX : +81-3-3283-0833

Lot No. D G 8 0 1 0 1

Item	Unit	Specification	Results
Appearance		Clear liquid	pass test
Color	APHA	20 max.	5 max.
Specific gravity (20/4 °C)		0.930~0.940	0.9326
Purity	%	99.0 min.	99.72
Moisture	%	0.1 max.	0.021
Amine value	mgKOH/g	347.0~367.0	356.7
Acid value	mgKOH/g	1.0 max.	0.017
Viscosity (30 °C)	cSt	1.1~1.5	1.231
Inhibitor (MEHQ)	ppm	900~1100	1020
			AKINORI TANAKA Leader Quality Assurance Section Niigata Plant

Date of Analysis : Jan . 01 . 2018

Quantity : 7200 kg

Invoice No. K113190

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