

CHINA MAN-MADE FIBER CORPORATION
10F., NO.50, SEC.1, XINSHENG S.RD., TAIPEI 100, TAIWAN

ORIGINAL

C9508113A

CERTIFICATE OF ANALYSIS

Date: MAY 18 2024

To Whom It May Concern:

Shipment : OOCL ZHOUSHAN V-268N
FROM: KAOHSIUNG, TAIWAN TO: TOKYO, JAPAN

Quantity : 37.600MT

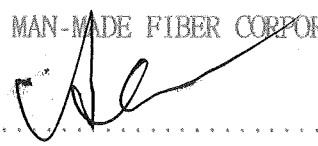
Commodity : DIETHYLENE GLYCOL

WE HEREBY CERTIFY THAT DEG PRODUCT TEST REPORT:

LOT NO. 240506 CONTAINER NO. FCIU5051607
" 240507 " OOLU1447264

ITEMS	UNIT	SPECIFICATION	RESULTS
WATER	WT%	≤ 0.10	0.033
COLOR	PT-CO	≤ 15	11
SP/GR 20/20°C		1.117-1.120	1.1183
ACIDITY (AS ACETIC ACID)	WT%	≤ 0.005	0.0010
DEG PURITY	WT%	≥ 99.0	99.89
ASH	WT%	≤ 0.005	0.0006
DISTILLATION RANGE AT 760 MMHG 5% VOL	°C	≥ 242.0	245.5
	95% VOL °C	≤ 248.0	246.0

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ORIGINAL

C9516813A

CERTIFICATE OF ANALYSIS

To Whom It May Concern:

Date: JUN 03 2024

Shipment : OOCL CHARLESTON V-235N
FROM: KAOHSIUNG, TAIWAN TO: TOKYO, JAPAN

Quantity : 37.600MT

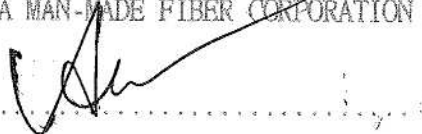
Commodity : DIETHYLENE GLYCOL

WE HEREBY CERTIFY THAT DEG PRODUCT TEST REPORT:

LOT NO. 240523 CONTAINER NO. OOLU1758902
" 240524 " OOLU2191346

ITEMS	UNIT	SPECIFICATION	RESULTS
WATER	WT%	≤ 0.10	0.034
COLOR	PT-CO	≤ 15	12
SP/GR 20/20°C		1.117-1.120	1.1184
ACIDITY (AS ACETIC ACID)	WT%	≤ 0.005	0.0010
DEG PURITY	WT%	≥ 99.0	99.90
ASH	WT%	≤ 0.005	0.0006
DISTILLATION RANGE AT 760 MMHG 5% VOL	°C	≥ 242.0	245.5
95% VOL	°C	≤ 248.0	246.0

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C9405713A

CERTIFICATE OF ANALYSIS

ORIGINAL

To Whom It May Concern:

Date: APR 19 2024

Shipment : OOCL ZHOUSHAN V-267N
FROM: KAOHSIUNG, TAIWAN TO: TOKYO, JAPAN

Quantity : 18.800MT

Commodity : DIETHYLENE GLYCOL

WE HEREBY CERTIFY THAT DEG PRODUCT TEST REPORT:

LOT NO.240411

ITEMS	UNIT	SPECIFICATION	RESULTS
WATER	WT%	≤ 0.10	0.047
COLOR	PT-CO	≤ 15	5
SP/GR 20/20°C		1.117-1.120	1.1183
ACIDITY (AS ACETIC ACID)	WT%	≤ 0.005	0.0010
DEG PURITY	WT%	≥ 99.0	99.88
ASH	WT%	≤ 0.005	0.0006
DISTILLATION RANGE AT 760 MMHG 5% VOL	°C	≥ 242.0	245.6
95% VOL	°C	≤ 248.0	246.0

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ORIGINAL

C9304913A

CERTIFICATE OF ANALYSIS

To Whom It May Concern:

Date: MAR 14 2024

Shipment : OOCL JAKARTA V-167N
FROM: KAOHSIUNG, TAIWAN TO: TOKYO, JAPAN

Quantity : 37.600MT

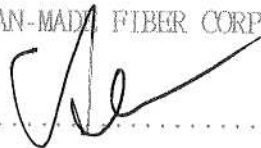
Commodity : DIETHYLENE GLYCOL

WE HEREBY CERTIFY THAT DEG PRODUCT TEST REPORT:

LOT NO. 240305

ITEMS	UNIT	SPECIFICATION	RESULTS
WATER	WT%	≤ 0.10	0.045
COLOR	PT-CO	≤ 15	4
SP/GR 20/20°C		1.117-1.120	1.1183
ACIDITY (AS ACETIC ACID)	WT%	≤ 0.005	0.0010
DEG PURITY	WT%	≥ 99.0	99.91
ASH	WT%	≤ 0.005	0.0006
DISTILLATION RANGE			
AT 760 MMHG 5% VOL	°C	≥ 242.0	245.5
95% VOL	°C	≤ 248.0	246.0

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CERTIFICATE OF ANALYSIS

ORIGINAL

C9204913A

To Whom It May Concern:

Date: FEB 23 2024

Shipment : OOCL ZHOUSHAN V-265N
FROM: KAOHSIUNG, TAIWAN TO: TOKYO, JAPAN

Quantity : 56.400MT

Commodity : DIETHYLENE GLYCOL

WE HEREBY CERTIFY THAT DEG PRODUCT TEST REPORT:

LOT NO.240216*1, 240217*2

ITEMS	UNIT	SPECIFICATION	RESULTS
WATER	WT%	≤ 0.10	0.030
COLOR	PT-CO	≤ 15	5
SP/GR 20/20°C		1.117-1.120	1.1183
ACIDITY (AS ACETIC ACID)	WT%	≤ 0.005	0.0010
DEG PURITY	WT%	≥ 99.0	99.92
ASH	WT%	≤ 0.005	0.0006
DISTILLATION RANGE AT 760 MMHG 5% VOL	°C	≥ 242.0	245.5
95% VOL	°C	≤ 248.0	246.0

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