

EXXONMOBIL CHEMICAL CO
22777 Springwoods Village Parkway
77389, Spring
United States



Attention of : Ms. M. Quadrado Rossi
Your reference : 5014563

Certificate of Quality

Report number : 13074/00001350.1/L/20 Date of sampling : 2020-10-01
Main Object : STOLT QUETZAL Place of sampling : Vopak Terminal Deer Park
Report Date : 2020-10-13 Date received : 2020-10-01
Date of issue : 2020-10-01 Date completed : 2020-10-01
Sample object : STOLT QUETZAL Sample number : 10586508
Sample type : Sampled
Sample submitted as : MEK
Marked : Vessel STOLT QUETZAL 7P wall wash . before loading

NAME	METHOD	UNIT	RESULT
Appearance	Visual	-	CFSM
Colour Pt-Co	ASTM D 1209	-	5
Water Miscibility	ASTM D 1722	-	PASS

Signed by: Michael Calais - Laboratory Manager
Issued by: Saybolt LP
Place and date of issue: Houston - 2020-10-01

All results in this report refer to the sample(s) tested as taken or submitted like specified in this Analysis report. Uncertainties, available on request, apply in the evaluation of the test results. All tests are conducted according to the latest version of the methods, unless another version is specifically indicated. Where available and for convenience purposes, the tested sample has been checked for compliance with supplied specifications, without accepting any liability. In case of dispute or concern, we refer to the interpretation of test results as defined in ASTM D3244, IP 367, ISO 4259 or GOST 33701. This report shall not be partially copied and reproduced without the written permission of the laboratory.

EXXONMOBIL CHEMICAL CO
22777 Springwoods Village Parkway
77389, Spring
United States



Attention of : Ms. M. Quadrado Rossi
Your reference : 5014563

Certificate of Quality

Report number : 13074/00001350.1/L/20 Date of sampling : 2020-10-12
Main Object : STOLT QUETZAL Place of sampling : Vopak Terminal Deer Park
Report Date : 2020-10-13 Date received : 2020-10-12
Date of issue : 2020-10-12 Date completed : 2020-10-12
Sample object : 522 Sample number : 10634771
Sample type : Sampled
Sample submitted as : MEK
Marked : DOCKLINE 23 line sample . before loading

NAME	METHOD	UNIT	RESULT
Appearance	Visual	-	Pass
Color Pt/Co	ASTM D 5386	-	2
Specific Gravity @ 20/20 °C	ASTM D 4052	°API	0.8064
Water (Karl Fischer)	ASTM D 1364	wt %	0.017

Signed by: Michael Calais - Laboratory Manager
Issued by: Saybolt LP
Place and date of issue: Houston - 2020-10-12

All results in this report refer to the sample(s) tested as taken or submitted like specified in this Analysis report. Uncertainties, available on request, apply in the evaluation of the test results. All tests are conducted according to the latest version of the methods, unless another version is specifically indicated. Where available and for convenience purposes, the tested sample has been checked for compliance with supplied specifications, without accepting any liability. In case of dispute or concern, we refer to the interpretation of test results as defined in ASTM D3244, IP 367, ISO 4259 or GOST 33701. This report shall not be partially copied and reproduced without the written permission of the laboratory.

EXXONMOBIL CHEMICAL CO
22777 Springwoods Village Parkway
77389, Spring
United States



Attention of : Ms. M. Quadrado Rossi
Your reference : 5014563

Certificate of Quality

Report number : 13074/00001350.1/L/20 Date of sampling : 2020-10-12
Main Object : STOLT QUETZAL Place of sampling : Vopak Terminal Deer Park
Report Date : 2020-10-13 Date received : 2020-10-12
Date of issue : 2020-10-13 Date completed : 2020-10-12
Sample object : STOLT QUETZAL Sample number : 10636281
Sample type : Sampled
Sample submitted as : MEK
Marked : Vessel STOLT QUETZAL 7P first foot sample during loading .

NAME	METHOD	UNIT	RESULT
Appearance	Visual	-	CFSM
Color Pt/Co	ASTM D 5386	-	2
Distillation	ASTM D 1078		
Distillation range		°C	0.5
IBP		°C	79.2
Drypoint		°C	79.7
Specific Gravity @ 20/20 °C	ASTM D 4052	°API	0.8065
Water (Karl Fischer)	ASTM D 1364	wt %	0.020
Odor	ASTM D 1296	-	CHAR

Signed by: Michael Calais - Laboratory Manager
Issued by: Saybolt LP
Place and date of issue: Houston - 2020-10-13

All results in this report refer to the sample(s) tested as taken or submitted like specified in this Analysis report. Uncertainties, available on request, apply in the evaluation of the test results. All tests are conducted according to the latest version of the methods, unless another version is specifically indicated. Where available and for convenience purposes, the tested sample has been checked for compliance with supplied specifications, without accepting any liability. In case of dispute or concern, we refer to the interpretation of test results as defined in ASTM D3244, IP 367, ISO 4259 or GOST 33701. This report shall not be partially copied and reproduced without the written permission of the laboratory.

EXXONMOBIL CHEMICAL CO
22777 Springwoods Village Parkway
77389, Spring
United States



Attention of : Ms. M. Quadrado Rossi
Your reference : 5014563

Certificate of Quality

Report number : 13074/00001350.1/L/20 Date of sampling : 2020-10-13
Main Object : STOLT QUETZAL Place of sampling : Vopak Terminal Deer Park
Report Date : 2020-10-13 Date received : 2020-10-13
Date of issue : 2020-10-13 Date completed : 2020-10-13
Sample object : STOLT QUETZAL Sample number : 10637698
Sample type : Sampled
Sample submitted as : MEK
Marked : Vessel STOLT QUETZAL 7P running after loading

NAME	METHOD	UNIT	RESULT
Acidity as acetic acid	ASTM D 1613	mass %	0.003
Color Pt/Co	ASTM D 5386	-	2
Distillation	ASTM D 1078		
Distillation range		°C	0.3
IBP		°C	79.3
Drypoint		°C	79.6
GC	GC		
Purity		wt %	99.94
Specific Gravity @ 20/20 °C	ASTM D 4052	°API	0.8064
Density @ 20°C	ASTM D 4052	-	804.9
Water (Karl Fischer)	ASTM D 1364	wt %	0.015
Nonvolatile Matter	ASTM D 1353	g/100mL	0.0001

Signed by: Michael Calais - Laboratory Manager
Issued by: Saybolt LP
Place and date of issue: Houston - 2020-10-13

All results in this report refer to the sample(s) tested as taken or submitted like specified in this Analysis report. Uncertainties, available on request, apply in the evaluation of the test results. All tests are conducted according to the latest version of the methods, unless another version is specifically indicated. Where available and for convenience purposes, the tested sample has been checked for compliance with supplied specifications, without accepting any liability. In case of dispute or concern, we refer to the interpretation of test results as defined in ASTM D3244, IP 367, ISO 4259 or GOST 33701. This report shall not be partially copied and reproduced without the written permission of the laboratory.