

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



Attention of : Mr. D.N. Nakata  
Your reference : USEBARGCHE-2102-006 / 5132330

Certificate of Quality

Report number : 13074/00001759.3/L/20 Date of sampling : 01-15-2021  
Main Object : FMT 1068 Place of sampling : Vopak Terminal Deer Park  
Report Date : 01-19-2021 Date received : 01-15-2021  
Date of issue : 01-15-2021 Date completed : 01-15-2021  
Sample object : FMT 1068 Sample number : 11055626  
Sample type : Sampled  
Sample submitted as : Exxsol D 80  
Marked : Barge FMT 1068 Port 2 tote manifold before discharge

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Appearance	Visual		Pass	Pass	Pass
Gravity	ASTM D 4052				
Specific Gravity @ 15.6/15.6°C		-	0.791	0.808	0.8073
API Gravity @ 60°F		-	43.6	47.2	43.8
Color	ASTM D 156		30		+30
Flash point	ASTM D 93	°C	77.0		79.5
Distillation Range	ASTM D 86				
IBP		°C	200		201.9
DP		°C		248	243.0
Aromatics by UV <sup>1</sup>	AM-S 140.31	wt%	<0.001	0.100	0.177

Remarks:

1 Out of control limits

Signed by: Michael Calais - Laboratory Manager  
Issued by: Saybolt LP  
Place and date of issue: Houston - 01-15-2021

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Report Date : 01-19-2021 Date received : 01-15-2021  
Date of issue : 01-15-2021 Date completed : 01-15-2021  
Sample object : FMT 1068 Sample number : 11055628  
Sample type : Sampled  
Sample submitted as : Exxsol D 80  
Marked : Barge FMT 1068 STBD 1 tote manifold before discharge

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Appearance	Visual		Pass	Pass	Pass
Gravity	ASTM D 4052				
Specific Gravity @ 15.6/15.6°C		-	0.791	0.808	0.8073
API Gravity @ 60°F		-	43.6	47.2	43.8
Color	ASTM D 156		30		+30
Flash point	ASTM D 93	°C	77.0		79.5
Distillation Range	ASTM D 86				
IBP		°C	200		204.8
DP		°C		248	242.8
Aromatics by UV	AM-S 140.31	wt%	<0.001	0.100	0.010

Signed by: Michael Calais - Laboratory Manager  
Issued by: Saybolt LP  
Place and date of issue: Houston - 01-15-2021

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Report number : 13074/00001759.3/L/20      Composite prep date : 01-15-2021  
Main Object : FMT 1068      Place of sampling : Vopak Terminal Deer Park  
Report Date : 01-19-2021      Date received : 01-15-2021  
Date of issue : 01-15-2021      Date completed : 01-15-2021  
Sample object : FMT 1068      Sample number : 11056690  
Sample type : Composite  
Sample submitted as : Exxsol D 80  
Marked : Barge FMT 1068 multiple tank composite prepared from running samples ex 1C , 2C , 3C before discharge

Composite ( 11056690 )			
SAMPLE NR	OBJECT	DESCRIPTION	RATIO
11055616	FMT 1068	Barge FMT 1068 1C running before discharge	
11055619	FMT 1068	Barge FMT 1068 2C running before discharge	
11055620	FMT 1068	Barge FMT 1068 3C running before discharge	

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Appearance	Visual				Pass
Gravity	ASTM D 4052				
Specific Gravity @ 15.6/15.6°C		-	0.792	0.808	0.8073
API Gravity @ 60°F		-	43.6	47.2	43.8
Refractive index @ 25°C	ASTM D 1747		1.4250	1.4410	1.4414
Color	ASTM D 156		30		+ 30
Flash point	ASTM D 93	°C	78.5	85.0	80.0
Distillation Range	ASTM D 86				
IBP		°C	203	212	204.9
DP		°C	237	246	242.8
Aromatics by UV	AM-S 140.31	wt %	<0.001	0.100	<0.001

Test comments:  
Aromatics by UV (AM-S 140.31): Need for ExxonMobil SAP

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Place and date of issue: Houston - 01-15-2021

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Report number : 13074/00001759.3/L/20 Date of sampling : 01-16-2021  
Main Object : FMT 1068 Place of sampling : Vopak Terminal Deer Park  
Report Date : 01-19-2021 Date received : 01-16-2021  
Date of issue : 01-17-2021 Date completed : 01-16-2021  
Sample object : 592 Sample number : 11062683  
Sample type : Sampled  
Sample submitted as : Exxsol D 80  
Marked : Shore tank 592 end of shoreline Dock Line # 41 before discharge .

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Appearance	Visual		Pass	Pass	Pass
Gravity	ASTM D 4052				
Specific Gravity @ 15.6/15.6°C		-	0.791	0.808	0.8076
API Gravity @ 60°F		-	43.6	47.2	43.7
Color	ASTM D 156		30		+30
Flash point	ASTM D 93	°C	77.0		79.0
Distillation Range	ASTM D 86				
IBP		°C	200		203.4
DP		°C		248	245.2
Aromatics by UV	AM-S 140.31	wt%	<0.001	0.100	<0.001

Signed by: Michael Calais - Laboratory Manager  
Issued by: Saybolt LP  
Place and date of issue: Houston - 01-17-2021

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