



Cartagena Laboratory

Calle Riga nº 11, 30353 Cartagena (Murcia).
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CIF : B72083769

ANALYTICAL REPORT

Job Number: 708-2
O/ Ref: 647-20-00024
Y/ Ref: MAR20
Grade: GNA 95
Origin: TERMINALES CANARIOS, TENERIFE
Label: AMSPEC
Identification: SHT 212: T0220212 MT "STEEL"
Description: RUNNING SAMPLE AFTER DISCHARGE

Date of reception: 12/03/2020
Date Analysis started: 12/03/2020
Date Analysis completed: 12/03/2020
Sample Package: 2X1L CAN
Sampling date: 07/03/2020
Seal Nº: N/A

Parameter	Units	Method	Result	Note
Density at 15°C.	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,7325	
DVPE	Kpa	EN ISO 13016-1:2008	53,9	
Distillation		ASTM D86 - 16a		
Evap at 70°C	%Vol		34,3	
Evap at 100°C	%Vol		63,8	
Evap at 150°C	%Vol		96,0	
FBP	°C		174,4	
Residue	%Vol		1,0	
Sulphur	mg/Kg	EN ISO 20846:2011	6,6	
Lead Content	g/L	ASTM D 3237 - 17	<0,005	
Copper corrosion, 3h 50°C	Class 1	ASTM D130 - 12	1a	
Existent Gums (Washed)	mg/100ml	ASTM D 381 - 12(2017)	<1	
Total Contamination	mg/Kg	EN ISO 12662:2014	1	

The test results shown on this report affect only to the samples received in this laboratory, and not necessarily to the whole from which these samples were Precision parameters apply in the evaluation of the test results specified above. Please also refer to ASTM D3244 (Except for RFG), IP 367 and appendix E of IP standard methods for analysis and testing in respect to the utilization of test data to determine conformance with the specifications.
The samples will be kept for a period of three months.
Estimated uncertainties for each method are available upon request.

Date of Report 12/03/2020
Name/s Jose Ros
Signature/s Chief Analyst





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ANALYTICAL REPORT

Job Number: 708-1

O/ Ref: 647-20-00024

Y/ Ref: MAR20

Grade: GNA 95

Origin: TERMINALES CANARIOS, TENERIFE

Label: AMSPEC

Identification: SHT 211: T0320211 MT "STEEL"

Description: RUNNING SAMPLE AFTER DISCHARGE

Date of reception: 12/03/2020

Date Analysis started: 12/03/2020

Date Analysis completed: 12/03/2020

Sample Package: 2X1L CAN

Sampling date: 07/03/2020

Seal Nº: N/A

Parameter	Units	Method	Result	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,7283	
DVPE	Kpa	EN ISO 13016-1:2008	57,9	
Distillation		ASTM D86 - 16a		
Evap at 70°C	%Vol		35,9	
Evap at 100°C	%Vol		64,7	
Evap at 150°C	%Vol		95,9	
FBP	°C		173,4	
Residue	%Vol		1,2	
Sulphur	mg/Kg	EN ISO 20846:2011	6,4	
Lead Content	g/L	ASTM D 3237 - 17	<0,005	
Copper corrosion, 3h 50°C	Class 1	ASTM D130 - 12	1a	
Existent Gums (Washed)	mg/100ml	ASTM D 381 - 12(2017)	<1	
Total Contamination	mg/Kg	EN ISO 12662:2014	<1	

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The samples will be kept for a period of three months.

Estimated uncertainties for each method are available upon request.

Date of Report 12/03/2020
Name/s Jose Ros
Signature/s Chief Analyst





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ANALYTICAL REPORT

Job Number: 708-5

O/ Ref: 647-20-00024

Y/ Ref: MAR20

Grade: GOA

Origin: TERMINALES CANARIOS, TENERIFE

Label: AMSPEC

Identification: SHT 102: T0220102 MT "STEEL"

Description: RUNNING SAMPLE AFTER DISCHARGE

Date of reception: 12/03/2020

Date Analysis started: 12/03/2020

Date Analysis completed: 12/03/2020

Sample Package: 2X1L CAN

Sampling date: 07/03/2020

Seal Nº: N/A

Parameter	Units	Method	Result	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,8385	
Viscosity at 40°C	mm ² /s	ISO 3104:1994/Cor.1:1997(E)	2,476	
Sulphur content	mg/Kg	ISO 20846:2011	8,5	
Distillation	°C	ASTM D86 - 16a		
65% Recovered			292,0	
85% Recovered			321,0	
95% Recovered			347,3	
F.B.P.			358,4	
Flash point (Proced. A - Electric ignitor)	°C	ISO 2719:2002(E)	57	
Water Karl Fischer	mg/Kg	ISO 12937:2000(E)	87	
Copper corrosion, 3h 50°C	Class 1	ASTM D130 - 12	1a	
Conductivity at 20°C	ps/m	ASTM D2624 - 15	59	
FAME content	%vol	EN 14078:2010	6,9	
CFPP	°C	UNE-EN 116:2015	-15	

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The samples will be kept for a period of three months.

Estimated uncertainties for each method are available upon request.

Date of Report	12/03/2020
Name/s	Jose Ros
Signature/s	Chief Analyst





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ANALYTICAL REPORT

Job Number: 708-3

O/ Ref: 647-20-00024

Y/ Ref: MAR20

Grade: GNA98

Origin: TERMINALES CANARIOS, TENERIFE

Label: AMSPEC

Identification: SHT 311:T0320311 MT "STEEL"

Description: RUNNING SAMPLE AFTER DISCHARGE

Date of reception: 12/03/2020

Date Analysis started: 12/03/2020

Date Analysis completed: 12/03/2020

Sample Package: 2X1L CAN

Sampling date: 07/02/2020

Seal Nº: N/A

Parameter	Units	Method	Result	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,7426	
DVPE	Kpa	EN ISO 13016-1:2008	55,8	
Distillation		ASTM D86 - 16a		
Evap at 70°C	%Vol		36,4	
Evap at 100°C	%Vol		63,8	
Evap at 150°C	%Vol		96,0	
FBP	°C		175,1	
Residue	%Vol		1,0	
Sulphur	mg/Kg	EN ISO 20846:2011	4,5	
Lead Content	g/L	ASTM D 3237 - 17	<0,005	
Copper corrosion, 3h 50°C	Class 1	ASTM D130 - 12	1a	
Existent Gums (Washed)	mg/100ml	ASTM D 381 - 12(2017)	<1	
Total Contamination	mg/Kg	EN ISO 12662:2014	2	

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The samples will be kept for a period of three months.

Estimated uncertainties for each method are available upon request.

Date of Report 12/03/2020
Name/s Jose Ros
Signature/s Chief Analyst





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ANALYTICAL REPORT

Job Number: 708-4 O/ Ref: 647-20-00024 Y/ Ref: MAR20 Grade: GNA98 Origin: TERMINALES CANARIOS, TENERIFE Label: AMSPEC Identification: SHT 312:T0220312 MT " STEEL" Description: RUNNING SAMPLE AFTER DISCHARGE	Date of reception: 12/03/2020 Date Analysis started: 12/03/2020 Date Analysis completed: 12/03/2020 Sample Package: 2X1L CAN Sampling date: 07/03/2020 Seal N°: N/A
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Parameter	Units	Method	Result	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,7438	
DVPE	Kpa	EN ISO 13016-1:2008	54,3	
Distillation		ASTM D86 - 16a		
Evap at 70°C	%Vol		36,0	
Evap at 100°C	%Vol		64,1	
Evap at 150°C	%Vol		96,3	
FBP	°C		174,1	
Residue	%Vol		1,0	
Sulphur	mg/Kg	EN ISO 20846:2011	5,3	
Lead Content	g/L	ASTM D 3237 - 17	<0,005	
Copper corrosion, 3h 50°C	Class 1	ASTM D130 - 12	1a	
Existent Gums (Washed)	mg/100ml	ASTM D 381 - 12(2017)	<1	
Total Contamination	mg/Kg	EN ISO 12662:2014	1	

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 The samples will be kept for a period of three months.
 Estimated uncertainties for each method are available upon request.*

Date of Report 12/03/2020
 Name/s Jose Ros
 Signature/s Chief Analyst



Authorized by Alvaro Escobar
 Laboratory Manager