



**AmSpec Iberia S.L.Unipersonal**  
**Cartagena Laboratory**

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 Telephone: +34 868 06 71 42 E-mail: cartagena.lab@amspecgrupop.com  
 CIF : 072083769

**ANALYTICAL REPORT**

Sample Information	Laboratory Information
*Y/ Ref: N/A	Job Number: 829-1
*Label: AMSPEC	O/ Ref: 647-20-00052
*Origin: TERMINALES CANARIOS TENERIFE	Label: AMSPEC
*Grade: GNA 95	Sample Package: 2X1L CAN
*Identification: SHT 211:T0420211 MT HISTRIA PERLA	Seal N°: N/A
*Sampling date: 11/04/2020	Date of reception: 20/04/2020
	Date Analysis started: 20/04/2020
	Date Analysis completed: 20/04/2020
*Description: RUNNING SAMPLE AFTER DISCHARGE	Description: RUNNING SAMPLE AFTER DISCHARGE

Parameter	Units	Method	Result	Limit	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,7362		
DVPE	Kpa	EN ISO 13016-1:2008	52,3		
Distillation		ASTM D86 - 16a			
Evap at 70°C	%Vol		33,0		
Evap at 100°C	%Vol		62,1		
Evap at 150°C	%Vol		95,0		
FBP	%C		177,7		
Residue	%Vol		1,0		
Sulphur	mg/Kg	EN ISO 20846:2011	5,1		
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 laboratory is not responsible of the information provided by the customer, sample owner or the taker.  
 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 drawn.  
 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 to the client upon request.*

Date of Report 20/04/2020  
 Name/s Jose Ros  
 Signature/s Chief Analyst





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**ANALYTICAL REPORT**

Sample Information	Laboratory Information
*Y/ Ref: N/A	Job Number: 829-4
*Label: AMSPEC	O/ Ref: 647-20-00052
*Origin: TERMINALES CANARIOS TENERIFE	Label: AMSPEC
*Grade: GOA	Sample Package: 2X1L CAN
*Identification: SHT 102:T0320102 MT HISTRIA PERLA	Seal Nº: N/A
*Sampling date: 13/04/2020	Date of reception: 20/04/2020
	Date Analysis started: 20/04/2020
	Date Analysis completed: 20/04/2020
*Description: RUNNING SAMPLE AFTER DISCHARGE	Description: RUNNING SAMPLE AFTER DISCHARGE

Parameter	Units	Method	Result	Limit	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,8381		
Viscosity at 40°C	mm <sup>2</sup> /s	ISO 3104:1994/Cor.1:1997(E)	2,448		
Sulphur content	mg/Kg	ISO 20846:2011	8,1		
Distillation	°C	ASTM D86 - 16a			
	65% Recovered		291,4		
	85% Recovered		321,2		
	95% Recovered		349,2		
	F.B.P.		359,0		
Flash point (Proced. A - Electric ignitor)	°C	ISO 2719:2002(E)	58		(1)
Water Karl Fischer	mg/Kg	ISO 12937:2000(E)	115		
Copper corrosion, 3h 50°C	Class 1	ASTM D130 - 12	1a		
Conductivity at 20°C	ps/m	ASTM D2624 - 15	50		
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 to the client upon request.  
(1) 100,3 Kpa; Absolute Barometric Pressure.

Date of Report: 20/04/2020  
Name/s: Jose Ros  
Signature/s: Chief Analyst





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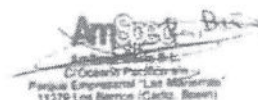
**ANALYTICAL REPORT**

Sample Information	Laboratory Information
*V/ Ref: N/A	Job Number: 829-3
*Label: AMSPEC	D/ Ref: 647-20-00052
*Origin: TERMINALES CANARIOS TENERIFE	Label: AMSPEC
*Grade: GOA	Sample Package: 2X1L CAN
	Seal N°: N/A
*Identification: SHT 101.T0320101 MT HISTRIA PERLA	Date of reception: 20/04/2020
*Sampling date: 11/04/2020	Date Analysis started: 20/04/2020
	Date Analysis completed: 20/04/2020
*Description: RUNNING SAMPLE AFTER DISCHARGE	Description: RUNNING SAMPLE AFTER DISCHARGE

Parameter	Units	Method	Result	Limit	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,8372		
Viscosity at 40°C	mm <sup>2</sup> /s	ISO 3104:1994/Cor.1:1997(E)	2,349		
Sulphur content	mg/Kg	ISO 20846:2011	7,8		
Distillation	°C	ASTM D86 - 16a			
65% Recovered			287,0		
85% Recovered			318,4		
95% Recovered			346,2		
F.B.P.			358,3		
Flash point (Proced. A - Electric ignitor)	°C	ISO 2719:2002(E)	58		(1)
Water Karl Fischer	mg/Kg	ISO 12937:2000(E)	105		
Copper corrosion, 3h 50°C	Class 1	ASTM D130 - 12	1a		
Conductivity at 20°C	ps/m	ASTM D2624 - 15	60		
FAME content	%vol	EN 14078:2010	6,9		
CFPP	°C	UNE-EN 116:2015	-13		

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 (1) 100,2 Kpa; Absolute Barometric Pressure.*

Date of Report: 20/04/2020  
 Name/s: Jose Ros  
 Signature/s: Chief Analyst





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## ANALYTICAL REPORT

### Sample Information

\*V/ Ref: N/A  
\*Label: AMSPEC  
\*Origin: TERMINALES CANARIOS TENERIFE  
\*Grade: GNA 98  
\*Identification: SHT 311:70420311 MT HISTRIA PERLA  
\*Sampling date: 11/04/2020  
  
\*Description: RUNNING SAMPLE AFTER DISCHARGE

### Laboratory Information

Job Number: 829-2  
O/ Ref: 647-20-00052  
Label: AMSPEC  
Sample Package: 2X1L CAN  
Seal N°: N/A  
Date of reception: 20/04/2020  
Date Analysis started: 20/04/2020  
Date Analysis completed: 20/04/2020  
Description: RUNNING SAMPLE AFTER DISCHARGE

Parameter	Units	Method	Result	Limit	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,7428		
DVPE	Kpa	EN ISO 13016-1:2008	56,8		
Distillation		ASTM D86 - 16a			
Evap at 70°C	%Vol		36,5		
Evap at 100°C	%Vol		64,2		
Evap at 150°C	%Vol		96,2		
FBP	°C		174,4		
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	<1		

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Date of Report 20/04/2020  
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