



Cartagena Laboratory
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ANALYTICAL REPORT

Job Number: 004/1
 OJ Ref: SP1901-082
 YJ Ref: T0119101 m/n "Hístria Gemma"
 Grade: GASOIL A
 Origin: TERMINALES CANARIAS, TENERIFE
 Label: AMSPEC
 Identification: SHORE TANK 101
 Description: SHORE TANK COMPOSITE

Date of reception: 04th/02/19
 Date Analysis started: 04th/02/19
 Date Analysis completed: 04th/02/19
 Sample Package: 2 X 1L CAN
 Sampling date: 30/01/19
 Seal No: n/a

Parameter	Units	Method	Result	Limit	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,8356		
Viscosity at 40°C	mm ² /s	ISO 3104:1994/Cor.1:1997(E)	2,808		
Sulphur content	mg/Kg	ISO 20846:2011	7,0		
Distillation	°C	ASTM D86 - 16a			
65% Recovered			296,7		
85% Recovered			330,6		
95% Recovered			357,5		
Flash point (Proced. A - Electric Ignitor)	°C	ISO 2719:2002(E)	57		(I)
Water Karl Fischer	mg/Kg	ISO 12937:2000(E)	74		
Copper corrosion, 3h 50°C	Class 1	ASTM D130 - 12	1b		
Conductivity at 20°C	ps/m	ASTM D2624 - 15	50		(II)
FAME content	%vol	EN 14078:2010	3,8		
CFPP	°C	UNE-EN 116:2015	-19		

(I) 103,2 Kpa; Absolute Barometric Pressure.
 (II) Test performed at 20°C

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.

Date of Report: 05/02/2019
 Name/s: Ana Belén Sanchez
 Signature/s: Chief Analyst

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ANALYTICAL REPORT

Job Number: 046

O/ Ref: SP1903-147

Clients/ Ref: RP: N/A/BP:N/A

Grade: GASOIL A

Origin: TERMINALES CANARIAS, TENERIFE

Label: AMSPEC

Identification: SHT 101-T0219101M.

Description: SHORE TANK COMPOSITE

Date of reception: 27/03/2019

Date Analysis started: 27/03/2019

Date Analysis completed: 27/03/2019

Sample Package: 2 X 1L CAN

Sampling date: 22/03/2019

Seal Nº: n/a

Parameter	Units	Method	Result	Limit	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,8367		
Distillation	°C	ASTM D86 - 16a			
65% Recovered			295,2		
85% Recovered			329,4		
95% Recovered			358,7		
Flash point (Proced. A - Electric ignitor)	°C	ISO 2719:2002(E)	58		(I)
Water Karl Fischer	mg/Kg	ISO 12937:2000(E)	57		
FAME content	%vol	EN 14078:2010	4,50		
CFPP	°C	UNE-EN 116:2015	-20		
Appearance at 20°C		visual	C & B		

(I) 103,2 Kpa; Absolute Barometric Pressure.

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.

Date of Report 27/03/2019
Name/s Ana Belén Sanchez
Signature/s Chief Analyst

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ANALYTICAL REPORT

Job Number: 036-2	Date of reception: 08/03/2019
O/ Ref: SP1902-110	Date Analysis started: 08/03/2019
Clients/ Ref: RP: FEB19/BP:N/A	Date Analysis completed: 08/03/2019
Grade: Gasolina 95	Sample Package: 2 X 1L CAN
Origin: TERMINALES CANARIAS, TENERIFE	Sampling date: 28/02/19
Label: AMSPEC	Seal Nº: n/a
Identification: SHT 211-T0319211- m/n"Eberhardt Artic"	
Description: SHORE TANK COMPOSITE	

Parameter	Units	Method	Result	Limit	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,7396		
DVPE	Kpa	EN ISO 13016-1:2008	61,6		
Distillation		ASTM D86 - 16a			
Evap at 70°C	%Vol		33,5		
Evap at 100°C	%Vol		60,7		
Evap at 150°C	%Vol		92,5		
FBP	°C		170,2		
Residue	%Vol		1,0		
Sulphur	mg/Kg	EN ISO 20846:2011	4,48		
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	3		

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 357 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.

Date of Report: 08/03/2019
Name/s: Ana Belén
Signature/s: Chief Analyst

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ANALYTICAL REPORT

Job Number: 004/5
 O/ Ref: SP1901-082
 Y/ Ref: T0119312 m/n "Historia Gemina"
 Grade: GASOLINE 98
 Origin: TERMINALES CANARIOS, TENERIFE
 Label: AMSPEC

Date of reception: 04/02/2019
 Date Analysis started: 04/02/2019
 Date Analysis completed: 04/02/2019
 Sample Package: 2 X 1L CAN
 Sampling date: 30/01/19
 Seal N°: N/A

Identification: SHORE TANK 312
 Description: SHORE TANK COMPOSITE

Parameter	Units	Method	Result	Limit	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,7424		
DVPE	Kpa	EN ISO 13016-1:2008	75,6		
Distillation		ASTM D86 - 16a			
Evap at 70°C	%Vol		34,4		
Evap at 100°C	%Vol		50,9		
Evap at 150°C	%Vol		93,0		
FBP	°C		169,7		
Residue	%Vol		1,0		
Sulphur	mg/Kg	EN ISO 20846:2011	<1		
Lead Content	g/l	ASTM D 3237 - 17	<0,005		
Copper corrosion, 3h 50°C	Class 1	ASTM D130 - 12	2a		
Existent Gums (Washed)	mg/100ml	ASTM D 381 - 12(2017)	<1		
Total Contamination	mg/Kg	EN ISO 12662:2014	<1		

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 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.

"This Analytical Report 893 - Revision 3, cancel and replace the analytical report 893".

Date of Report: 05/02/2019
 Name/s: Ana Belén Sánchez
 Signature/s: Chief Analyst

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Authorized by José M. Fernández
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