



BUREAU
VERITAS

ANALYTICAL REPORT

Bureau Veritas Inspección y Testing, S.L.
(Unipersonal)
Cartagena Laboratory
Polígono Industrial El Fangal Ctra N-343, km10
Dcha, VALLE DE ESCOMBRERAS
Cartagena, CP30350, Spain

Job No : 17417-1
o/Ref : ESOAGJ20002880/2-003

[^]Date of Sampling : 14-sep-20
Date of Reception : 18-sep-20
Date of Analysis range : 18-sep-20
Sample Package : Can Metal
Seal No : ES28515
Client ref: T0520101.

[^]Grade : GO A
[^]Origin : Tenerife
[^]Id : TK 101

VALTELLINA TK 101 After Discharging				
Test	Method	Unit	Result	Min - Max
Density at 15°C	ASTM D4052 -18a	kg/m ³	833,0	820 - 845
Sulfur Content	EN ISO 20846 :2019	mg/kg	7,5	10 Max
65% Recovered	ASTM D86 -20a	°C	286.8	250 Min
85% Recovered	ASTM D86 -20a	°C	325.4	350 Max
95% Recovered	ASTM D86 -20a	°C	351,3	360 Max
Baro Pressure	ASTM D86 -20a	Kpa	101,8	
Manual/Automated	ASTM D86 -20a	-	Automated	
Kinematic Viscosity at 40°C	ASTM D445 -19a	mm ² /s	2.300	2 - 4.5
Flash Point	ASTM D93 -19	°C	59	56 Min
Water content	EN ISO 12937 :2000	%(m/m)	0.01	0.02 Max
Corrosion Copper Strip - 3h at 50°C	ASTM D130 -19	-	1a	1a - 1b
Fame Content	EN 14078 :2014	%(V/V)	6	7 Max
Conductivity at 20°C	ASTM D2624 -15	pS/m	77	
Cold Filter Plugging Point	EN 116 :2015	°C	-22	0 Max

Remarks

Item Description: PETROLEUM PRODUCT

AUTHORIZED SIGNATURE

Sonia Maria COCA SUAREZ, Laboratory Manager



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Cartagena, CP30350, Spain

Job No : 17417-2
o/Ref : ESOAGJ20002880/2-004

^ADate of Sampling : 14-sep-20
Date of Reception : 18-sep-20
Date of Analysis range : 18-sep-20
Sample Package : Can Metal
Seal No : ES28516
Client ref: T0620102

^AGrade : GO A
^AOrigin : Tenerife
^AId : TK 102

VALTELLINA TK 102 After Discharging				
Test	Method	Unit	Result	Min - Max
Density at 15°C	ASTM D4052 -18a	kg/m³	832,8	820 - 845
Sulfur Content	EN ISO 20846 :2019	mg/kg	7,4	10 Max
85% Recovered	ASTM D86 -20a	°C	291,1	250 Min
85% Recovered	ASTM D86 -20a	°C	326,4	350 Max
95% Recovered	ASTM D86 -20a	°C	350,2	360 Max
Baro Pressure	ASTM D86 -20a	Kpa	101,6	
Manual/Automated	ASTM D86 -20a	-	Automated	
Kinematic Viscosity at 40°C	ASTM D445 -19a	mm²/s	2,313	2 - 4,5
Flash Point	ASTM D93 -19	°C	60	56 Min
Water content	EN ISO 12937 :2000	% (m/m)	0,01	0,02 Max
Corrosion Copper Strip - 3h at 50°C	ASTM D130 -19	-	1a	1a - 1b
Fame Content	EN 14078 :2014	% (V/V)	6,1	7 Max
Conductivity at 20°C	ASTM D2624 -15	pS/m	78	
Cold Filter Plugging Point	EN 116 :2015	°C	-22	0 Max

Remarks

Item Description: PETROLEUM PRODUCT

AUTHORIZED SIGNATURE

Sonia Maria COCA SUAREZ, Laboratory Manager



AmSpec Iberia S.L.Unipersonal
Las Palmas Laboratory

C/Adolfo Alonso Fernández s/n (Parc. P16) Zona Franca Gran Canaria, Puerto de la Luz C.P.: 35008 Las Palmas (Spain)
 Telephone: +34 615308688 E-mail: laspalmas.lab@amspecgroup.com
 CIF : B72083769

ANALYTICAL REPORT

Sample Information	Laboratory Information
*Y/ Ref: N/A	Job Number: 601
*Label: AMSPEC	O/ Ref: 647-20-00198
*Origin: TERMINALES CANARIOS TENERIFE	Label: AMSPEC
*Grade: GNA 95	Sample Package: 2 x 1L Can bottle
*Seal Nº: N/A	Seal Nº: N/A
*Identification: ST 211: T0820211 CASTILLO DE ARTEAGA	Date of reception: 23rd/09/2020
*Sampling date: 20th/09/2020	Date Analysis started: 23rd/09/2020
	Date Analysis completed: 25th/09/2020
*Description: SHORE TANK COMPOSITE AFTER DISCHARGE	Description: GASOLINE

Parameter	Units	Method	Result	Limit	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,7417		
DVPE	Kpa	EN ISO 13016-1:2008	56,6		(I)
Distillation		ASTM D86 - 16a			
Evap at 70°C	%Vol		28,9		
Evap at 100°C	%Vol		55,3		
Evap at 150°C	%Vol		92,8		
FBP	°C		173,3		
Residue	%Vol		1		
Sulphur	mg/Kg	ISO 13032:2012	5,4		
Lead Content	g/L	EN 237:2005	<0,005		(I)
Copper corrosion, 3h 50°C	Class 1	ASTM D130 - 12	1a		
Existent Gum Content	mg/100ml	EN ISO 6246:2017/Amd 1:2019	<1		(I)
Total Contamination	mg/Kg	EN ISO 12662:2014	<12		

(I) Test performed at AmSpec-Cartagena Laboratory.

**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 are not included in the report, however they are available upon customer request*

Date of Report: 25/09/2020
 Name/s: Leila Menghini
 Signature/s: Chief Analyst



Authorized by Ari Rojas Gracie
 Head of Laboratories - Spain



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Las Palmas Laboratory

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CIF : 972083769

ANALYTICAL REPORT

Sample Information	Laboratory Information
*Y/ Ref: N/A	Job Number: 602
*Label: AMSPEC	O/ Ref: 647-20-00198
*Origin: TERMINALES CANARIOS TENERIFE	Label: AMSPEC
*Grade: GNA 95	Sample Package: 2 x 1L Can bottle
*Seal Nº: N/A	Seal Nº: N/A
*Identification: ST 212: T0620212 CASTILLO DE ARTEAGA	Date of reception: 23rd/09/2020
*Sampling date: 20th/09/2020	Date Analysis started: 23rd/09/2020
*Description: SHORE TANK COMPOSITE AFTER DISCHARGE	Date Analysis completed: 25th/09/2020
	Description: GASOLINE

Parameter	Units	Method	Result	Limit	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,7359		
DVPE	Kpa	EN ISO 13016-1:2008	56,9		(I)
Distillation		ASTM D86 - 16a			
Evap at 70°C	%Vol		29,9		
Evap at 100°C	%Vol		55,7		
Evap at 150°C	%Vol		93,2		
FBP	°C		172,2		
Residue	%Vol		1		
Sulphur	mg/Kg	ISO 13032:2012	6,7		
Lead Content	g/L	EN 237:2005	<0,005		(I)
Copper corrosion, 3h 50°C	Class 1	ASTM D130 - 12	1a		
Existent Gum Content	mg/100ml	EN ISO 6246:2017/Amd 1:2019	<1		(I)
Total Contamination	mg/Kg	EN ISO 12662:2014	<12		

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Signature/s Chief Analyst





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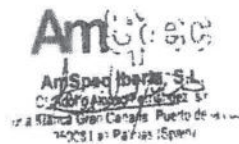
Sample Information	Laboratory Information
*Y/ Ref: N/A	Job Number: 603
*Label: AMSPEC	O/ Ref: 647-20-00198
*Origin: TERMINALES CANARIOS TENERIFE	Label: AMSPEC
*Grade: GNA 98	Sample Package: 2 x 1l. Can bottle
*Seal Nº: N/A	Seal Nº: N/A
*Identification: ST 311: T0820311 CASTILLO DE ARTEAGA.	Date of reception: 23rd/09/2020
*Sampling date: 20th/09/2020	Date Analysis started: 23rd/09/2020
	Date Analysis completed: 25th/09/2020
*Description: SHORE TANK COMPOSITE AFTER DISCHARGE	Description: GASOLINE

Parameter	Units	Method	Result	Limit	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,7470		
DVPE	Kpa	EN ISO 13016-1:2008	56,0		(I)
Distillation		ASTM D86 - 16a			
Evap at 70°C	%Vol		32,7		
Evap at 100°C	%Vol		57,3		
Evap at 150°C	%Vol		91,1		
FBP	°C		176,4		
Residue	%Vol		1		
Sulphur	mg/Kg	ISO 13032:2012	2,4		
Lead Content	g/L	EN 237:2005	<0,005		(I)
Copper corrosion, 3h 50°C	Class 1	ASTM D130 - 12	1a		
Existent Gum Content	mg/100ml	EN ISO 6246:2017/Amd 1:2019	<1		(I)
Total Contamination	mg/Kg	EN ISO 12662:2014	<12		

(I) Test performed at AmSpec-Cartagena Laboratory.

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ANALYTICAL REPORT

Sample Information	Laboratory Information
*V/ Ref: N/A	Job Number: 604
*Label: AMSPEC	O/ Ref: 647-20-00198
*Origin: TERMINALES CANARIOS TENERIFE	Label: AMSPEC
*Grade: GNA 98	Sample Package: 2 x 1L Can bottle
*Seal Nº: N/A	Seal Nº: N/A
*Identification: ST 312: T0520312 CASTILLO DE ARTEAGA	Date of reception: 23rd/09/2020
*Sampling date: 20th/09/2020	Date Analysis started: 23rd/09/2020
	Date Analysis completed: 25th/09/2020
*Description: SHORE TANK COMPOSITE AFTER DISCHARGE	Description: GASOLINE

Parameter	Units	Method	Result	Limit	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,7388		
DVPE	Kpa	EN ISO 13016-1:2008	56,9		(I)
Distillation		ASTM D86 - 16a			
Evap at 70°C	%Vol		38,5		
Evap at 100°C	%Vol		64,3		
Evap at 150°C	%Vol		94,1		
FBP	°C		176,4		
Residue	%Vol		1		
Sulphur	mg/Kg	ISO 13032:2012	7,5		
Lead Content	g/L	EN 237:2005	<0,005		(I)
Copper corrosion, 3h 50°C	Class 1	ASTM D130 - 12	1a		
Existent Gum Content	mg/100ml	EN ISO 6246:2017/Amd 1:2019	<1		(I)
Total Contamination	mg/Kg	EN ISO 12662:2014	<12		

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