

# Inspectorate Española, S.A.

(Unipersonal)

Laboratorio de análisis - Huelva

Polígono Industrial Nuevo Puerto S/N.

Palos de la Frontera (HUELVA)

Tel. : 959 369 335 E-Mail : huelva.lab@inspectorate.es

C.I.F. : A 28633600



INSPECTORATE

## ANALYTICAL REPORT

Job No: 17353-5

o/Ref : ESOAGJ18004413

Y/Ref :

Date of reception: 28/08/2018

Date Analysis started: 28/08/2018

Date Analysis completed: 28/08/2018

Grade: GASOIL

Origin: Terminales Canarias Tenerife

Label: Terminales Canarias Tenerife

Id: TORM TEVERE

SHORE TANK 102 AFTER DISCHARGE - T0918102

Sample Package: 1x1L can

Sampling date: 23/08/2018

Seal N°: 56672

Test	Units	Method	Results	Specifications <sup>1</sup>	U=R/v2	Notes*
Density at 15°C	Kg/m <sup>3</sup>	ASTM D-4052-18	835,5	820-845	±0,4	
Sulphur*	mg/Kg	EN-ISO-20846:2011	7,9	10,0 max		
Distillation*						
65% recovered	°C	ASTM D-86-17	292,1	250 min		
85%recovered	°C	ASTM D-86-17	325,2	350 max		
95% recovered	°C	ASTM D-86-17	354,4	360 max		
Kinematic Viscosity at 40°C*	mm2/s	ASTM D-445-17	2,547	2,00-4,50		
Flash Point*	°C	ASTM D-93 A-16	60,0	55,0 min		
Water content*	mg/Kg	EN ISO 12937:2001	90	200 max		
Copper corrosion, 3h 50°C*	Class 1	ASTM D-130-12	1a	class 1		
Electrical conductivity*	pS/m	ASTM D-2624-09	150	-		
Temperature*	°C		24			
Fame Content*	%vol	EN 14078:2010	5,0	7,0 max		
C.F.P.P	°C	EN 116:2015	-12	0 max	±2	

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 (Excep 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.

<sup>1</sup> Specifications: GASOLEO AUTOMOCION SGC/SGA/SGP OPS REVISION 7 Fecha 28/04/15

Tests marked with (\*) are not included in the scope of the accreditation. Estimated uncertainties for each method are available upon request.

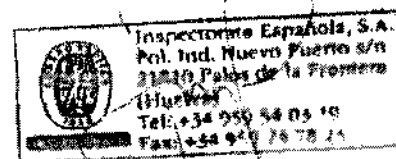
Date of Report

29/08/2018

Name/s

José Manuel Pérez

Signature/s



# Inspectorate Española, S.A.

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Palos de la Frontera (HUELVA)

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C.I.F. : A 28633600



**BUREAU  
VERITAS**

## ANALYTICAL REPORT

Job No: 17529-1

o/Ref : ESOSPJ18004740

Y/Ref :

Date of reception: 26/09/2018

Date Analysis started: 26/09/2018

Date Analysis completed: 27/09/2018

Grade: GASOIL A

Origin: Terminales Canarias Tenerife

Label: Terminales Canarias Tenerife

Id: EBERHARDT ARTIC

SHORE TANK 101 AFTER DISCHARGE - T0718101

Sample Package: 1x1L can

Sampling date: 17/09/2018

Seal N°: #56721

Test	Units	Method	Results	Specifications <sup>1</sup>	U=R/v2	Notes*
Density at 15°C	Kg/m <sup>3</sup>	ASTM D-4052-16	834,2	820-845	±0,4	
Sulphur*	mg/Kg	EN-ISO-20846:2011	8,6	10,0 max		
Distillation*						
65% recovered	°C	ASTM D-86-17	298,7	250 min		
85%recovered	°C	ASTM D-86-17	328,6	350 max		
95% recovered	°C	ASTM D-86-17	356,4	360 max		
Kinematic Viscosity at 40°C*	mm2/s	ASTM D-445-17	2,759	2,00-4,50		
Flash Point*	°C	ASTM D-93 A-16	61,0	55,0 min		
Water content*	mg/Kg	EN ISO 12937:2001	100	200 max		
Copper corrosion, 3h 50°C*	Class 1	ASTM D-130-12	1a	class 1		
Electrical conductivity*	pS/m	ASTM D-2624-09	36	-		
Temperature*	°C		23			
Fame Content*	%vol	EN 14078:2010	7,0	7,0 max		
C.F.P.P	°C	EN 116:2015	-11	0 max	±2	

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

<sup>1</sup> Specifications: GASOLEO AUTOMOCION SGC/SGA/SGP OPS REVISION 7 Fecha 28/04/15

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Date of Report

27/09/2018

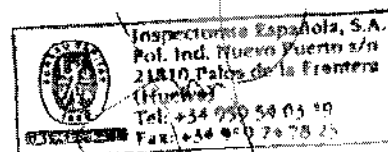
Name/s

José Manuel Pérez

Signature/s



**ENAC**  
E N S A Y O S  
N ° 1 0 5 3 / L E 2 3 4 8



**Inspectorate Española, S.A.**  
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C.I.F. : A 28633600



**ANALYTICAL REPORT**

Job No: 17529-2  
o/Ref: ESOSPJ18004740  
Y/Ref:

Date of reception: 26/09/2018  
Date Analysis started: 26/09/2018  
Date Analysis completed: 27/09/2018

Grade: Gasoline 95  
Origin: Terminales Canarias Tenerife  
Label: Terminales Canarias Tenerife  
Id: EBERHARDT ARTIC  
SHORE TANK 211 AFTER DISCHARGE - T1018211

Sample Package: 1x1L can  
Sampling date: 17/09/2018  
Seal N°: #56726

Test	Units	Method	Results	Specifications <sup>1</sup>	U=R/v2	Notes*
Density at 15 °C	Kg/m3	ASTM D-4052-2018	738,9	720-775	±1,6	
DVPE*	KPa	EN ISO 13016-1:2008	55,6	45-60		
Distillation*						
Evap at 70°C	%vol	ASTM D-86-17	27,3	20-54		
Evap at 100°C	%vol	ASTM D-86-17	53,6	46-74		
Evap at 150°C	%vol	ASTM D-86-17	94,2	min 75		
FBP	°C	ASTM D-86-17	175,4	max 210		
Residue	%vol	ASTM D-86-17	1,0	max 2,0		
Sulphur*	mg/Kg	EN-ISO-20846:2011	7,9	max 10,0		
Lead content*	g/L	ASTM D-3237-12	<0,0025	max 0,005		
Copper Corrosion 3H 50 °C*		ASTM D-130-12	1a	Class 1		
Existent Gums (washed)*	mg/100ml	ASTM D-381-04	<1	max 5		
Total contamination*	mg/Kg	EN ISO 12662:2014	<6	-		

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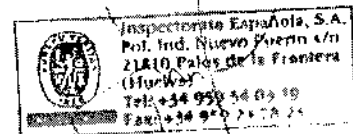
Precision parameters apply in the evaluation of the test results specified above. Please also refer to ASTM D3244 (Except for RFG), IP 367 and appendix E of IP standard methods for analysis and testing in respect to the utilization of test data to determine conformance with the specifications.

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

<sup>1</sup> Specifications: GASOLINAS SGC/SGA/SGP OPS REVISION 7 Fecha 28/04/15

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Date of Report: 27/09/2018  
Name/s: José Manuel Pérez  
Signature/s:



**Inspectorate Española, S.A.**  
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C.I.F. : A 28633600



**ANALYTICAL REPORT**

Job No: 17529-3  
o/Ref: ESOSPJ18004740  
Y/Ref:

Date of reception: 26/09/2018  
Date Analysis started: 26/09/2018  
Date Analysis completed: 27/09/2018

Grade: Gasoline 95  
Origin: Terminales Canarias Tenerife  
Label: Terminales Canarias Tenerife  
Id: EBERHARDT ARTIC  
SHORE TANK 212 AFTER DISCHARGE - T0918212

Sample Package: 1x1L can  
Sampling date: 17/09/2018  
Seal N°: #56764

Test	Units	Method	Results	Specifications <sup>1</sup>	U=R/v2	Notes *
Density at 15 °C	Kg/m3	ASTM D-4052-2018	734,2	720-775		#1,7
DVPE*	KPa	EN ISO 13016-1:2008	57,4	45-60		
Distillation*						
Evap at 70°C	%vol	ASTM D-86-17	21,1	20-54		
Evap at 100°C	%vol	ASTM D-86-17	49,1	46-74		
Evap at 150°C	%vol	ASTM D-86-17	95,0	min 75		
FBP	°C	ASTM D-86-17	173,9	max 210		
Residue	%vol	ASTM D-86-17	1,0	max 2,0		
Sulphur*	mg/Kg	EN-ISO-20846:2011	6,3	max 10,0		
Lead content*	g/L	ASTM D-3237-12	<0,0025	max 0,005		
Copper Corrosion 3H 50 °C*		ASTM D-130-12	1a	Class 1		
Existent Gums (washed)*	mg/100ml	ASTM D-381-04	<1	max 5		
Total contamination*	mg/Kg	EN ISO 12662:2014	<6	-		

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.

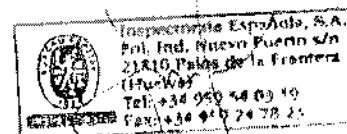
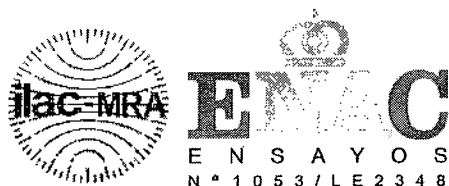
Precision parameters apply in the evaluation of the test results specified above. Please also refer to ASTM D3244 (Except for RFG), IP 367 and appendix E of IP standard methods for analysis and testing in respect to the utilization of test data to determine conformance with the specifications.

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

<sup>1</sup> Specifications: GASOLINAS SGC/SGA/SGP OPS REVISION 7 Fecha 28/04/15

Tests marked with (\*) are not included in the scope of the accreditation. Estimated uncertainties for each method are available upon request.

Date of Report 27/09/2018  
Name/s José Manuel Pérez  
Signature/s



# Inspectorate Española, S.A.

(Unipersonal)

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C.I.F. : A 28633600



## ANALYTICAL REPORT

Job No: 17736-3

o/Ref: ESOOCJ18005383

Y/Ref:

Date of reception: 26/10/2018

Date Analysis started: 26/10/2018

Date Analysis completed: 26/10/2018

Grade: Gasoline 95

Origin: Terminales Canarias Tenerife

Label: Terminales Canarias Tenerife

Id: CPO GERMANY

SHORE TANK 212 AFTER DISCHARGE - T1018212

Sample Package: 1x1L can

Sampling date: 23/10/2018

Seal N°: #56823

Test	Units	Method	Results	Specifications <sup>1</sup>	U=R/√2	Notes*
Density at 15 °C	Kg/m <sup>3</sup>	ASTM D-4052-2018	738,2	720-775	±1,6	
DVPE*	KPa	EN ISO 13016-1:2008	56,0	50-80		
Distillation*						
Evap at 70°C	%vol	ASTM D-86-17	26,9	22-56		
Evap at 100°C	%vol	ASTM D-86-17	53,9	46-74		
Evap at 150°C	%vol	ASTM D-86-17	95,1	min 75		
FBP	°C	ASTM D-86-17	172,9	max 210		
Residue	%vol	ASTM D-86-17	1,0	max 2,0		
Sulphur*	mg/Kg	EN-ISO-20846:2011	5,4	max 10,0		
Lead content*	g/L	ASTM D-3237-12	<0,0025	max 0,005		
Copper Corrosion 3H 50 °C*		ASTM D-130-12	1a	Class 1		
Existent Gums (washed)*	mg/100ml	ASTM D-381-04	<1	max 5		
Total contamination*	mg/Kg	EN ISO 12662:2014	<6			

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

<sup>1</sup> Specifications: GASOLINAS SGC/SGA/SGP OPS REVISION 7 Fecha 28/04/15

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Date of Report: 26/10/2018  
Name/s: Isidro López  
Signature/s:

**Inspectorate Española, S.A.**  
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Polígono Industrial Nuevo Puerto S/N,  
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C.I.F. : A 28633403



**ANALYTICAL REPORT**

Job No: 17736-2  
o/Ref : ES00CJ18005383  
Y/Ref :

Date of reception: 26/10/2018  
Date Analysis started: 26/10/2018  
Date Analysis completed: 26/10/2018

Grade: Gasoline 95  
Origin: Terminales Canarias Tenerife  
Label: Terminales Canarias Tenerife  
Id: CPO GERMANY  
SHORE TANK 211 AFTER DISCHARGE - T1118211

Sample Package: 1x1L can  
Sampling date: 23/10/2018  
Seal N°: #56817

Test	Units	Method	Results	Specifications <sup>1</sup>	U=R/v2	Notes*
Density at 15 °C	Kg/m <sup>3</sup>	ASTM D-4052-2018	744,5	720-775	±1.6	
DVPE*	KPa	EN ISO 13016-1:2008	56,4	50-80		
Distillation*						
Evap at 70°C	%vol	ASTM D-86-17	35,5	22-56		
Evap at 100°C	%vol	ASTM D-86-17	59,5	46-74		
Evap at 150°C	%vol	ASTM D-86-17	95,2	min 75		
FBP	°C	ASTM D-86-17	169,8	max 210		
Residue	%vol	ASTM D-86-17	1,0	max 2,0		
Sulphur*	mg/Kg	EN-ISO-20846:2011	5,4	max 10,0		
Lead content*	g/L	ASTM D-3237-12	<0,0025	max 0,005		
Copper Corrosion 3H 50 °C*		ASTM D-130-12	1a	Class 1		
Existent Gums (washed)*	mg/100ml	ASTM D-381-04	<1	max 5		
Total contamination*	mg/Kg	EN ISO 12662:2014	<6	-		

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

<sup>1</sup> Specifications: GASOLINAS SGC/SGA/SGP OPS REVISION 7 Fecha 28/04/15

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Date of Report 26/10/2018  
Name/s Isidro López  
Signature/s



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C.I.F. : A 28633400



**ANALYTICAL REPORT**

Job No: 17529-4  
o/Ref: ESOSP18004740  
V/Ref:

Date of reception: 26/09/2018  
Date Analysis started: 26/09/2018  
Date Analysis completed: 27/09/2018

Grade: Gasoline 98  
Origin: Terminales Canarias Tenerife  
Label: Terminales Canarias Tenerife  
Id: EBERHARDT ARTIC  
SHORE TANK 311 AFTER DISCHARGE - TT018311

Sample Package: 1x1L can  
Sampling date: 17/09/2018  
Seal N°: #56769

Test	Units	Method	Results	Specifications <sup>1</sup>	U=R/v2	Notes*
Density at 15 °C	Kg/m3	ASTM D-4052-2018	749,2	720-775	±1,4	
DVPE*	KPa	EN ISO 13016-1:2008	56,8	45-60		
Distillation*						
Evap at 70°C	%vol	ASTM D-86-17	33,0	20-54		
Evap at 100°C	%vol	ASTM D-86-17	59,0	46-74		
Evap at 150°C	%vol	ASTM D-86-17	95,1	min 75		
FBP	°C	ASTM D-86-17	173,1	max 210		
Residue	%vol	ASTM D-86-17	1,0	max 2,0		
Sulphur*	mg/Kg	EN-ISO-20846:2011	<3,0	max 10,0		
Lead content*	g/L	ASTM D-3237-12	<0,0025	max 0,005		
Copper Corrosion 3H 50 °C*		ASTM D-130-12	1σ	Class 1		
Existent Gums (washed)*	mg/100ml	ASTM D-381-04	4	max 5		
Total contamination*	mg/Kg	EN ISO 12662:2014	<6	-		

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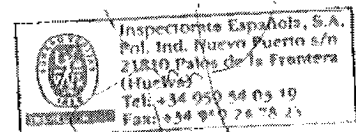
Precision parameters apply in the evaluation of the test results specified above. Please also refer to ASTM D3244 (Except for RFG), IP 367 and appendix E of IP standard methods for analysis and testing in respect to the utilization of test data to determine conformance with the specifications.

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

<sup>1</sup> Specifications: GASOLINAS SGC/SGA/SGP OPS REVISION 7 Fecha 28/04/15

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Date of Report: 27/09/2018  
Name/s: José Manuel Pérez  
Signature/s:



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C.I.F. : A 28633600



**BUREAU  
VERITAS**

## ANALYTICAL REPORT

Job No: 17736-4

o/Ref : ESOOCJ18005383

Y/Ref :

Date of reception: 26/10/2018  
Date Analysis started: 26/10/2018  
Date Analysis completed: 26/10/2018

Grade: Gasoline 98

Origin: Terminales Canarias Tenerife

Label: Terminales Canarias Tenerife

Id: CPO GERMANY

SHORE TANK 311 AFTER DISCHARGE - T1118311

Sample Package: 1x1L can

Sampling date: 23/10/2018

Seal N°: #56803

Test	Units	Method	Results	Specifications <sup>1</sup>	U=R/V2	Notes*
Density at 15 °C	Kg/m3	ASTM D-4052-2018	746,6	720-775	±1,6	
DVPE*	KPa	EN ISO 13016-1:2008	66,4	50-80		
Distillation*						
Evap at 70°C	%vol	ASTM D-86-17	35,2	22-56		
Evap at 100°C	%vol	ASTM D-86-17	60,1	46-74		
Evap at 150°C	%vol	ASTM D-86-17	95,1	min 75		
FBP	°C	ASTM D-86-17	171,8	max 210		
Residue	%vol	ASTM D-86-17	1,0	max 2,0		
Sulphur*	mg/Kg	EN-ISO-20846:2011	<3,0	max 10,0		
Lead content*	g/L	ASTM D-3237-12	<0,0025	max 0,005		
Copper Corrosion 3H 50 °C*		ASTM D-130-12	1a	Class 1		
Existent Gums (washed)*	mg/100ml	ASTM D-381-04	<1	max 5		
Total contamination*	mg/Kg	EN ISO 12662:2014	<6	-		

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

<sup>1</sup> Specifications: GASOLINAS SGC/SGA/SGP OPS REVISION 7 Fecha 28/04/15

Tests marked with (\*) are not included in the scope of the accreditation. Estimated uncertainties for each method are available upon request.



Date of Report: 26/10/2018  
Name/s: Isidro López  
Signature/s: