

Inspectorate Española, S.A

Laboratorio de análisis - Huelva

Polígono Industrial Nuevo Puerto S/N, CP 21810 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: 16018-4
o/Ref: ESODCJ1707021
Y/Ref:

Date of reception: 20/12/2017
Date Analysis started: 20/12/2017
Date Analysis completed: 20/12/2017

Grade: GASOIL
Origin: Terminales Canarias Tenerife
Label: Terminales Canarias Tenerife
Id: NORD NIGHTINGALE
SHORE TANK 101 AFTER DISCHARGE - T0917101

Sample Package: 1x1L can
Sampling date: 12/12/2017
Seal N°: #55956

Test	Units	Method	Results	Specifications ¹	Notes [#]
Density at 15°C	Kg/m ³	ASTM D-4052-16	831,0	820-845	
Sulphur*	mg/Kg	EN-ISO-20846:2011	8,7	10,0 max	
Distillation*					
65% recovered	°C	ASTM D-86-16a	298	250 min	
85% recovered	°C	ASTM D-86-16a	329	350 max	
95% recovered	°C	ASTM D-86-16a	355	360 max	
Kinematic Viscosity at 40°C*	mm ² /s	ASTM D-445-15	2,676	2,00-4,50	
Flash Point*	°C	ASTM D-93 A-16	61,5	55,0 min	
Water content*	mg/Kg	EN ISO 12937:2001	80	200 max	
Copper corrosion, 3h 50°C*	Class 1	ASTM D-130-12	1a	class 1	
Electrical conductivity*	µS/m	ASTM D-2624-09	84	-	
Temperature*	°C		18		
Fame Content*	%vol	EN 14078:2010	7,0	7,0 max	
C.F.P.P	°C	EN 116:2015	-18	-10 max	

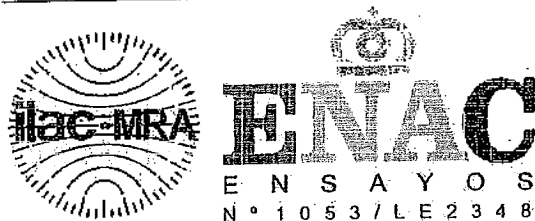
Tests marked with (*) are not included in the scope of the accreditation. Estimated uncertainties for each method are available upon request.

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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.

¹ Specifications: GASOLEO AUTOMOCION SGC/SGA/SGP OP5 REVISION 7 Fecha 28/04/15



Date of Report: 20/12/2017
Name/s: José Manuel Pérez
Signature/s:

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INSPECTORATE

ANALYTICAL REPORT

Job No: 16131-2
o/Ref: ESODCJ17007370
Y/Ref:

Date of reception: 09/01/2018
Date Analysis started: 09/01/2018
Date Analysis completed: 10/01/2018

Grade: GASOIL
Origin: Terminales Canarias Tenerife
Label: Terminales Canarias Tenerife
Id: STAR I

Sample Package: 1x1L can
Sampling date: 04/01/2018
Seal No: #56031

SHORE TANK 102 AFTER DISCHARGE - T0118102

Test	Units	Method	Results	Specifications ¹	Notes*
Density at 15°C	Kg/m ³	ASTM D-4052-16	844,1	820-845	
Sulphur*	mg/Kg	EN-ISO-20846:2011	8,7	10,0 max	
Distillation*					
65% recovered	°C	ASTM D-86-16a	302	250 min	
85% recovered	°C	ASTM D-86-16a	331	350 max	
95% recovered	°C	ASTM D-86-16a	357	360 max	
Kinematic Viscosity at 40°C*	mm ² /s	ASTM D-445-15	2,901	2,00-4,50	
Flash Point*	°C	ASTM D-93 A-16	65,0	55,0 min	
Water content*	mg/Kg	EN ISO 12937:2001	90	200 max	
Copper corrosion, 3h 50°C*	Class. I	ASTM D-130-12	1a	class 1	
Electrical conductivity*	pS/m	ASTM D-2624-09	61		
Temperature*	°C		19		
Fame Content*	%vol	EN 14078:2010	6,9	7,0 max	
C.F.P.P	°C	EN 116:2015	-17	-10 max	

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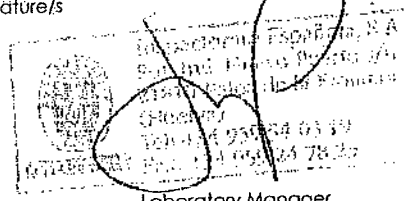
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The samples will be kept for a period of three months.

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

Date of Report 10/01/2018
Name/s José Manuel Pérez
Signature/s



Laboratory Manager



ENAC
ENSAYOS
N.º 1053 / LE2348

Inspectorate Española, S.A

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C.I.F. : A 28633600



INSPECTORATE

ANALYTICAL REPORT

Job No: 16018-3
o/Ref: ES0DCJ17007021
Y/Ref:

Date of reception: 20/12/2017
Date Analysis started: 20/12/2017
Date Analysis completed: 21/12/2017

Grade: Gasoline 95
Origin: Terminales Canarias Tenerife
Label: Terminales Canarias Tenerife
Id: NORD NIGHTINGALE
SHORE TANK 211 AFTER DISCHARGE - T1117211

Sample Package: 1x1L can
Sampling date: 12/12/2017
Seal N°: 55941

Test	Units	Method	Results	Specifications ¹	Notes*
Density at 15°C	Kg/m ³	ASTM D-4052-2015	744,5	720-775	
DVPE*	KPa	EN ISO 13016-1:2008	63,4	50-80	
Distillation*					
Evap at 70°C	%vol	ASTM D-86-2015	24,0	22-56	
Evap at 100°C	%vol	ASTM D-86-2015	58,0	46-74	
Evap at 150°C	%vol	ASTM D-86-2015	95,6	min 75	
FBP	°C	ASTM D-86-2015	167,8	max 210	
Residue	%vol	ASTM D-86-2015	1,0	max 2,0	
Sulphur*	mg/Kg	EN-ISO-20846:2011	6,4	max 10,0	
Lead content*	g/L	ASTM D-237-2012	<0,0025	max 0,005	
Copper Corrosion 3H 50 °C*		ASTM D-130-2012	1a	Class 1	
Existent Gums (Washed)*	mg/100ml	ASTM D-381-2004	<1	max 5	
Total contamination*	mg/Kg	EN ISO 12662:1998	<6	-	

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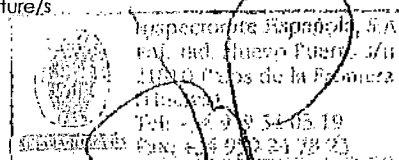
Precision parameters apply in the evaluation of the test results specified above. Please also refer to ASTM D3244 (Except for RFG), IP-367 and appendix E of IP standard methods for analysis and testing in respect to the utilization of test data to determine conformance with the specifications.

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

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



Date of Report: 21/12/2017
Name/s: José Manuel Pérez
Signature/s:



Laboratory Manager

Inspectorate Española, S.A

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C.I.F. : A 28633600



INSPECTORATE

ANALYTICAL REPORT

Job No: 16131-5
o/Ref: ESODCJ17007370
Y/Ref:

Date of reception: 09/01/2018
Date Analysis started: 09/01/2018
Date Analysis completed: 10/01/2018

Grade: Gasoline 95
Origin: Terminales Canarias Tenerife
Label: Terminales Canarias Tenerife
id: STAR 1
SHORE TANK 211 AFTER DISCHARGE - T0118211

Sample Package: 1x1L can
Sampling date: 04/01/2018
Seal N°: 56011

Test	Units	Method	Results	Specifications ¹	Notes ²
Density at 15 °C	Kg/m ³	ASTM D-4052-2015	741,6	720-775	
DVPE*	KPa	EN ISO 13016-1:2008	66,1	50-80	
Distillation*					
Evap at 70°C	%vol	ASTM D-86-2015	25,5	22-56	
Evap at 100°C	%vol	ASTM D-86-2015	57,6	46-74	
Evap at 150°C	%vol	ASTM D-86-2015	95,2	min 75	
FBP	°C	ASTM D-86-2015	166,9	max 210	
Residue	%vol	ASTM D-86-2015	1,0	max 2,0	
Sulphur*	mg/Kg	EN-ISO-20846:2011	6,9	max 10,0	
Lead content*	g/L	ASTM D-237-2012	<0,0025	max 0,005	
Copper Corrosion 3H 50 °C*		ASTM D-130-2012	1a	Class 1	
Existent Gums (washed)*	mg/100ml	ASTM D-381-2004	<1	max 5	
Total contamination*	mg/Kg	EN ISO 12662:1998	<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.

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



Date of Report 10/01/2018
Name/s José Manuel Pérez
Signature/s

Laboratory Manager

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 C.I.F. : A 28633400



INSPECTORATE

ANALYTICAL REPORT

Job No: 16131-3
 o/Ref: ESODCJ17007370
 Y/Ref:

Date of reception: 09/01/2018
 Date Analysis started: 09/01/2018
 Date Analysis completed: 10/01/2018

Grade: Gasoline 95
 Origin: Terminales Canarias Tenerife
 Label: Terminales Canarias Tenerife
 Id: STAR 1

Sample Package: 1x1L can
 Sampling date: 04/01/2018
 Seal N°: 56016

SHORE TANK 212 AFTER DISCHARGE - T0118212

Test	Units	Method	Results	Specifications ¹	Notes*
Density at 15 °C	Kg/m ³	ASTM D-4052-2015	738,0	720-775	
DVPE*	KPa	EN ISO 13016-1:2008	68,5	50-80	
Distillation*					
Evap at 70°C	%vol	ASTM D-86-2015	24,7	22-56	
Evap at 100°C	%vol	ASTM D-86-2015	54,7	46-74	
Evap at 150°C	%vol	ASTM D-86-2015	95,2	min 75	
FBP	°C	ASTM D-86-2015	168,2	max 210	
Residue	%vol	ASTM D-86-2015	1,0	max 2,0	
Sulphur*	mg/Kg	EN-ISO-20846:2011	7,0	max 10,0	
Lead content*	g/L	ASTM D-237-2012	<0,0025	max 0,005	
Copper Corrosion 3H 50 °C*		ASTM D-130-2012	1a	Class 1	
Existent Gums (washed)*	mg/100ml	ASTM D-381-2004	<1	max 5	
Total contamination*	mg/Kg	EN ISO 12662:1998	<6	-	

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

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



ENAC
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 N° 1053 / LE 2348

Date of Report: 10/01/2018
 Name/s: José Manuel Pérez
 Signature/s:

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C.I.F. : A 28633600



INSPECTORATE

ANALYTICAL REPORT

Job No: 16018-2
o/Ref: ESODCJ17007021
Y/Ref:

Date of reception: 20/12/2017
Date Analysis started: 20/12/2017
Date Analysis completed: 21/12/2017

Grade: Gasoline 98
Origin: Terminales Canarias Tenerife
Label: Terminales Canarias Tenerife
Id: NORD NIGHTINGALE
SHORE TANK 312 AFTER DISCHARGE - T0717312

Sample Package: 1x1L can
Sampling date: 12/12/2017
Seal N°: 55951

Test	Units	Method	Results	Specifications ¹	Notes ⁸
Density at 15 °C	kg/m3	ASTM D-4052-2015	755,8	720-775	
DVPE*	KPa	EN ISO 13016-1:2008	64,6	50-80	
Distillation*					
Evap at 70°C	%vol	ASTM D-86-2015	22,2	22-56	
Evap at 100°C	%vol	ASTM D-86-2015	53,5	46-74	
Evap at 150°C	%vol	ASTM D-86-2015	95,3	min 75	
FBP	°C	ASTM D-86-2015	169,5	max 210	
Residue	%vol	ASTM D-86-2015	1,0	max 2,0	
Sulphur*	mg/Kg	EN-ISO-20846:2011	6,7	max 10,0	
Lead content*	g/L	ASTM D-237-2012	<0,0025	max 0,005	
Copper Corrosion 3H 50 °C*		ASTM D-130-2012	1a	Class 1	
Existent Gums (washed)*	mg/100ml	ASTM D-381-2004	<1	max 5	
Total contamination*	mg/Kg	EN ISO 12662:1998	<6		

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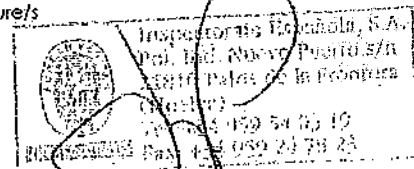
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The samples will be kept for a period of three months.

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C.I.F. : A 20633400



INSPECTORATE

ANALYTICAL REPORT

Job No: 16131-4
o/Ref: ESODCJ17007370
Y/Ref:

Date of reception: 09/01/2018
Date Analysis started: 09/01/2018
Date Analysis completed: 10/01/2018

Grade: Gasoline 98
Origin: Terminales Canarias Tenerife
Label: Terminales Canarias Tenerife
Id: STAR I

Sample Package: 1x1L can
Sampling date: 04/01/2018
Seal N°: 56021

SHORE TANK 311 AFTER DISCHARGE - T0118311

Test	Units	Method	Results	Specifications ¹	Notes*
Density at 15 °C	Kg/m ³	ASTM D-4052-2015	750,0	720-775	
DVPE*	KPa	EN ISO 13016-1:2008	68,8	50-80	
Distillation*					
Evap at 70°C	%vol	ASTM D-86-2015	23,1	22-56	
Evap at 100°C	%vol	ASTM D-86-2015	54,7	46-74	
Evap at 150°C	%vol	ASTM D-86-2015	95,2	min 75	
FBP	°C	ASTM D-86-2015	169,6	max 210	
Residue	%vol	ASTM D-86-2015	1,0	max 2,0	
Sulphur*	mg/Kg	EN-ISO-20846:2011	6,2	max 10,0	
Lead content*	g/L	ASTM D-237-2012	<0,0025	max 0,005	
Copper Corrosion 3H 50 °C*		ASTM D-130-2012	1a	Class 1	
Existent Gums (washed)*	mg/100ml	ASTM D-381-2004	<1	max 5	
Total contamination*	mg/Kg	EN ISO 12662:1998	<6		

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