

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: 15419-4
o/Ref: ESOSPJ17004785
Y/Ref:

Date of reception: 11/09/2017
Date Analysis started: 11/09/2017
Date Analysis completed: 12/09/2017

Grade: Gasoline 95
Origin: Terminales Canarias Tenerife
Label: Terminales Canarias Tenerife
Id: EBERHARDT ARCTIC
SHORE TANK 212 AFTER DISCHARGE - T0617212

Sample Package: 1X1L can
Sampling date: 04/09/2017
Seal N°: 55697

| Test | Units | Method | Results | Specifications ¹ | Notes* |
|----------------------------|----------|---------------------|---------|-----------------------------|--------|
| Density at 15 °C | Kg/m3 | ASTM D-4052-2015 | 753,4 | 720-775 | |
| DVPE* | KPa | EN ISO 13016-1:2008 | 54,0 | 45-60 | |
| Distillation* | | | | | |
| Evap at 70°C | %vol | ASTM D-86-2015 | 20,9 | 20-54 | |
| Evap at 100°C | %vol | ASTM D-86-2015 | 53,2 | 46-74 | |
| Evap at 150°C | %vol | ASTM D-86-2015 | 94,2 | min 75 | |
| FBP | °C | ASTM D-86-2015 | 175,5 | max 210 | |
| Residue | %vol | ASTM D-86-2015 | 1,0 | max 2,0 | |
| Sulphur* | mg/Kg | EN-ISO-20846:2011 | 5,9 | 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 | - | |

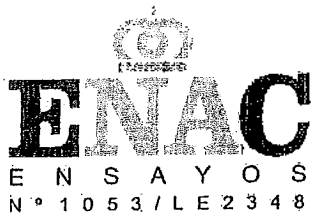
Tests marked with (*) are not included in the scope of the accreditation. Estimated uncertainties for each method are available upon request.

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.

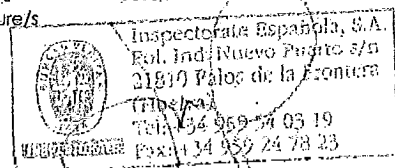
Precision parameters apply in the evaluation of the test results specified above. Please also refer to ASTM D3244 (Except for RFG), IP 367 and appendix E of IP standard methods for analysis and testing in respect to the utilization of test data to determine conformance with the specifications.

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

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



Date of Report: 12/09/2017
Name/s: José Manuel Pérez
Signature/s:



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C.I.F. : A 28633600



INSPECTORATE

ANALYTICAL REPORT

Job No: 15419-2

o/Ref: ESOSPJ17004785

Y/Ref:

Date of reception: 11/09/2017

Date Analysis started: 11/09/2017

Date Analysis completed: 12/09/2017

Grade: Gasoline 95

Origin: Terminales Canarias Tenerife

Label: Terminales Canarias Tenerife

Id: EBERHARDT ARCTIC

SHORE TANK 211 AFTER DISCHARGE - T0817211

Sample Package: 1x1L can

Sampling date: 04/09/2017

Seal Nº: 55716

| Test | Units | Method | Results | Specifications ¹ | Notes ² |
|----------------------------|----------|---------------------|---------|-----------------------------|--------------------|
| Density at 15 °C | Kg/m3 | ASTM D-4052-2015 | 753,3 | 720-775 | |
| DVPE* | KPa | EN ISO 13016-1:2008 | 53,9 | 45-60 | |
| Distillation* | | | | | |
| Evap at 70°C | %vol | ASTM D-86-2015 | 21,6 | 20-54 | |
| Evap at 100°C | %vol | ASTM D-86-2015 | 53,5 | 46-74 | |
| Evap at 150°C | %vol | ASTM D-86-2015 | 94,7 | min 75 | |
| FBP | °C | ASTM D-86-2015 | 174,8 | max 210 | |
| Residue | %vol | ASTM D-86-2015 | 1,0 | max 2,0 | |
| Sulphur* | mg/Kg | EN-ISO-20846:2011 | 7,5 | 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.

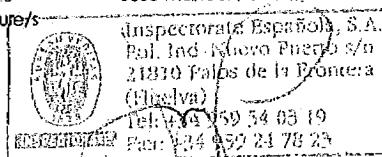
¹ Specifications: GASOLINAS SGC/SGA/SGP OPS-REVISION 7 Fecha 28/04/15



Date of Report 12/09/2017

Name/s José Manuel Pérez

Signature/s



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INSPECTORATE

ANALYTICAL REPORT

Job No: 15419-1
o/Ref: ESOSPJ17004785
Y/Ref:

Date of reception: 11/09/2017
Date Analysis started: 11/09/2017
Date Analysis completed: 11/09/2017

Grade: Gasoline 98
Origin: Terminales Canarias Tenerife
Label: Terminales Canarias Tenerife
Id: EBERHARDT ARCTIC
SHORE TANK 311 AFTER DISCHARGE - T0817311

Sample Package: 1x1L can
Sampling date: 04/09/2017
Seal Nº: 55702

| Test | Units | Method | Results | Specifications ¹ | Notes* |
|----------------------------|----------|---------------------|---------|-----------------------------|--------|
| Density at 15 °C | Kg/m3 | ASTM D-4052-2015 | 750,8 | 720-775 | |
| DVPE* | KPa | EN ISO 13016-1:2008 | 56,9 | 45-60 | |
| Distillation* | | | | | |
| Evap at 70°C | %vol | ASTM D-86-2015 | 30,0 | 20-54 | |
| Evap at 100°C | %vol | ASTM D-86-2015 | 57,3 | 46-74 | |
| Evap at 150°C | %vol | ASTM D-86-2015 | 93,4 | min 75 | |
| FBP | °C | ASTM D-86-2015 | 180,0 | max 210 | |
| Residue | %vol | ASTM D-86-2015 | 1,0 | max 2,0 | |
| Sulphur* | mg/Kg | EN-ISO-20846:2011 | <3,0 | 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 | 1α | 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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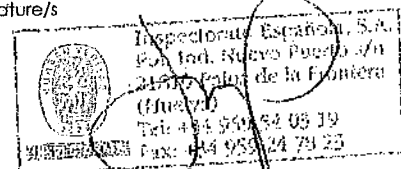
Precision parameters apply in the evaluation of the test results specified above. Please also refer to ASTM D3244 (Except for RFG), IP 367 and appendix E of IP standard methods for analysis and testing in respect to the utilization of test data to determine conformance with the specifications.

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: 11/09/2017
Name/s: José Manuel Pérez
Signature/s



Laboratory Manager

Inspectorate Española, S.A

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INSPECTORATE

ANALYTICAL REPORT

Job No: 15419-5
o/Ref: ESOSPJ17004785
Y/Ref:

Date of reception: 11/09/2017
Date Analysis started: 11/09/2017
Date Analysis completed: 11/09/2017

Grade: GASOIL
Origin: Terminales Canarias Tenerife
Label: Terminales Canarias Tenerife
Id: EBERHARDT ARCTIC
SHORE TANK 102 AFTER DISCHARGE - T0617102

Sample Package: 1x1L can
Sampling date: 04/09/2017
Seal N°: 55711

| Test | Units | Method | Results | Specifications ¹ | Notes* |
|------------------------------|--------------------|-------------------|---------|-----------------------------|--------|
| Density at 15°C | Kg/m ³ | ASTM D-4052-2015 | 836,4 | 820-845 | |
| Sulphur* | mg/Kg | EN-ISO-20846:2011 | 7,9 | 10,0 max | |
| Distillation* | | | | | |
| 65% recovered | °C | ASTM D-86-2015 | 299 | 250 min | |
| 85% recovered | °C | ASTM D-86-2015 | 331 | 350 max | |
| 95% recovered | °C | ASTM D-86-2015 | 358 | 360 max | |
| Kinematic Viscosity at 40°C* | mm ² /s | ASTM D-445-2015 | 2,894 | 2,00-4,50 | |
| Flash Point* | °C | ASTM D-93 A-2016 | 62,0 | 55,0 min | |
| Water content* | mg/Kg | EN ISO 12937:2001 | 70 | 200 max | |
| Copper corrosion, 3h 50°C* | Class 1 | ASTM D-130-2012 | 1a | class 1 | |
| Electrical conductivity* | µS/m | ASTM D-2624-2009 | 42 | - | |
| Temperature* | °C | | 24 | | |
| Fame Content* | %vol | EN 14078:2010 | 3,6 | 7,0 max | |
| C.F.P.P | °C | EN 116:2015 | -10 | -10 max | |

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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 11/09/2017
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Signature/s
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(Huelva)
Tel: 959 369 335
Fax: 959 369 335

Laboratory Manager

Inspectorate Española, S.A

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C.I.F. : A 28633600



INSPECTORATE

ANALYTICAL REPORT

Job No: 15615-3

o/Ref: ESOSPJ17005574

Y/Ref:

Date of reception: 17/10/2017

Date Analysis started: 17/10/2017

Date Analysis completed: 18/10/2017

Grade: Gasoline 95

Origin: Terminales Canarias Tenerife

Label: Terminales Canarias Tenerife

Id: ATRIA

SHORE TANK 211 AFTER DISCHARGE - T0917211

Sample Package: 1x1L can

Sampling date: 09/10/2017

Seal N°: 55836

| Test | Units | Method | Results | Specifications ¹ | Notes ² |
|----------------------------|-------------------|---------------------|---------|-----------------------------|--------------------|
| Density at 15 °C | Kg/m ³ | ASTM D-4052-2015 | 752,6 | 720-775 | |
| DVPE* | KPa | EN ISO 13016-1:2008 | 61,3 | 50-80 | |
| Distillation* | | | | | |
| Evap at 70°C | %vol | ASTM D-86-2015 | 22,9 | 22-56 | |
| Evap at 100°C | %vol | ASTM D-86-2015 | 54,7 | 46-74 | |
| Evap at 150°C | %vol | ASTM D-86-2015 | 95,1 | min 75 | |
| FBP | °C | ASTM D-86-2015 | 175,4 | 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 | <3 | - | |

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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



ENSA Y OS
N° 1053 / LE2348

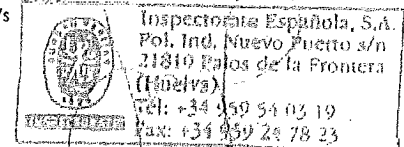
Date of Report

18/10/2017

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: 15615-1
 o/Ref: ESOSPJ17005574
 Y/Ref:

Date of reception: 17/10/2017
 Date Analysis started: 17/10/2017
 Date Analysis completed: 18/10/2017

Grade: Gasoline 98
 Origin: Terminales Canarias Tenerife
 Label: Terminales Canarias Tenerife
 Id: ATRIA
 SHORE TANK 311 AFTER DISCHARGE - T0917311

Sample Package: 1x1L can
 Sampling date: 09/10/2017
 Seal N°: 55801

| Test | Units | Method | Results | Specifications ¹ | Notes* |
|----------------------------|----------|---------------------|---------|-----------------------------|--------|
| Density at 15 °C | Kg/m3 | ASTM D-4052-2015 | 752,2 | 720-775 | |
| DVPE* | KPa | EN ISO 13016-1:2008 | 59,5 | 50-80 | |
| Distillation* | | | | | |
| Evap at 70°C | %vol | ASTM D-86-2015 | 27,2 | 22-56 | |
| Evap at 100°C | %vol | ASTM D-86-2015 | 56,5 | 46-74 | |
| Evap at 150°C | %vol | ASTM D-86-2015 | 93,8 | min 75 | |
| FBP | °C | ASTM D-86-2015 | 179,3 | max 210 | |
| Residue | %vol | ASTM D-86-2015 | 1,0 | max 2,0 | |
| Sulphur* | mg/Kg | EN-ISO-20846:2011 | 4,3 | 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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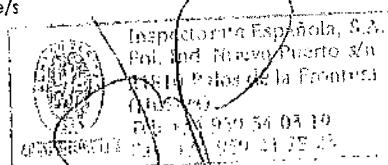
The samples will be kept for a period of three months.

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



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

Date of Report: 18/10/2017
 Name/s: José Manuel Pérez
 Signature/s:



Laboratory Manager

Inspectorate Española, S.A.

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 Tel.: 957 369 335 E-Mail: huelva.lab@inspectorate.es
 C.I.F. : A 28633600



INSPECTORATE

ANALYTICAL REPORT

Job No: 15615-2
 o/Ref: ESOSPJ17005574
 Y/Ref:

Date of reception: 17/10/2017
 Date Analysis started: 17/10/2017
 Date Analysis completed: 18/10/2017

Grade: Gasoline 98
 Origin: Terminales Canarias Tenerife
 Label: Terminales Canarias Tenerife
 Id: ATRIA
 SHORE TANK 312 AFTER DISCHARGE - T0617312

Sample Package: 1x1L can
 Sampling date: 09/10/2017
 Seal N°: 55806

| Test | Units | Method | Results | Specifications ¹ | Notes* |
|----------------------------|----------|---------------------|---------|-----------------------------|--------|
| Density at 15 °C | Kg/m3 | ASTM D-4052-2015 | 754,4 | 720-775 | |
| DVPE* | KPa | EN ISO 13016-1:2008 | 63,2 | 50-80 | |
| Distillation* | | | | | |
| Evap at 70°C | %vol | ASTM D-86-2015 | 22,4 | 22-56 | |
| Evap at 100°C | %vol | ASTM D-86-2015 | 54,4 | 46-74 | |
| Evap at 150°C | %vol | ASTM D-86-2015 | 95,1 | min 75 | |
| FBP | °C | ASTM D-86-2015 | 175,2 | 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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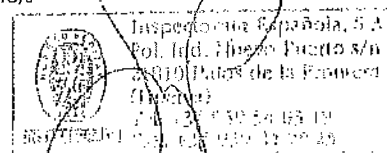
The samples will be kept for a period of three months.

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



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

Date of Report: 18/10/2017
 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: 15615-4
o/Ref: ESOSPJ17005574
Y/Ref:

Date of reception: 17/10/2017
Date Analysis started: 17/10/2017
Date Analysis completed: 18/10/2017

Grade: GASOIL
Origin: Terminales Canarias Tenerife
Label: Terminales Canarias Tenerife
Id: ATRIA
SHORE TANK 101 AFTER DISCHARGE - T0717101

Sample Package: 1x1L can
Sampling date: 09/10/2017
Seal N°: #55831

| Test | Units | Method | Results | Specifications ¹ | Notes* |
|------------------------------|--------------------|-------------------|---------|-----------------------------|--------|
| Density at 15°C | Kg/m ³ | ASTM D-4052-2015 | 838,6 | 820-845 | |
| Sulphur* | mg/Kg | EN-ISO-20846:2011 | 8,5 | 10,0 max | |
| Distillation* | | | | | |
| 65% recovered | °C | ASTM D-86-16a | 300 | 250 min | |
| 85% recovered | °C | ASTM D-86-16a | 332 | 350 max | |
| 95% recovered | °C | ASTM D-86-16a | 360 | 360 max | |
| Kinematic Viscosity at 40°C* | mm ² /s | ASTM D-445-2015 | 2,879 | 2,00-4,50 | |
| Flash Point* | °C | ASTM D-93 A-2016 | 63,0 | 55,0 min | |
| Water content* | mg/Kg | EN ISO 12937:2001 | 80 | 200 max | |
| Copper corrosion, 3h 50°C* | Class 1 | ASTM D-130-2012 | 1a | class 1 | |
| Electrical conductivity* | pS/m | ASTM D-2624-2009 | 68 | | |
| Temperature* | °C | | 24 | | |
| Fame Content* | %vol | EN 14078:2010 | 4,8 | 7,0 max | |
| C.F.P.P | °C | EN 116:2015 | -12 | -10 max | |

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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 OPS REVISION 7 Fecha 28/04/15



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

Date of Report 18/10/2017

Name/s José Manuel Pérez
Signature/s Inspectorate Española, S.A.
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21810 Palos de la Frontera
(Huelva)
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Fax: +34 959 24 78 23



Laboratory Manager