

# Inspectorate Española, S.A. (Unipersonal)

## Laboratorio de análisis - Huelva

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C.I.F. : A 28633600



**BUREAU  
VERITAS**

### ANALYTICAL REPORT

Job No: 18198-1  
o/Ref : ESODCJ18006516  
Y/Ref :

Date of reception: 17/01/2019  
Date Analysis started: 17/01/2019  
Date Analysis completed: 17/01/2019

Customer: REPSOL TRADING S.A.  
Address: Mendez Álvaro 44, 28045, Madrid, Spain.  
Customer: BP OIL INTERNATIONAL LTD  
Address: 20 Canada Square, Canary Wharf, London E14 5NJ, United Kingdom.

Grade: GASOIL A  
Origin: Terminales Canarias Tenerife  
Label: Terminales Canarias Tenerife  
Id: HISTRIA GEMMA

Sample Package: 1x1L can  
Sampling date: 12/01/2019  
Seal N°: #172493

SHORE TANK 102 AFTER DISCHARGE - T0119102

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	835,8	820-845	±0,4	
Sulphur*	mg/Kg	EN-ISO-20846:2011	9,1	10,0 max		
Distillation*						
65% recovered	°C	ASTM D-86-17	292,0	250 min		
85%recovered	°C	ASTM D-86-17	325,7	350 max		
95% recovered	°C	ASTM D-86-17	355,8	360 max		
Kinematic Viscosity at 40°C*	mm <sup>2</sup> /s	ASTM D-445-17	2,455	2,00-4,50		
Flash Point*	°C	ASTM D-93 A-16	58,1	55,0 min		
Water content*	mg/Kg	EN ISO 12937:2001	70	200 max		
Copper corrosion, 3h 50°C*	Class 1	ASTM D-130-12	1a	class 1		
Electrical conductivity*	pS/m	ASTM D-2624-09	42	-		
Temperature*	°C		18			
Fame Content*	%vol	EN 14078:2010	6,8	7,0 max		
C.F.P.P	°C	EN 116:2015	-15	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.

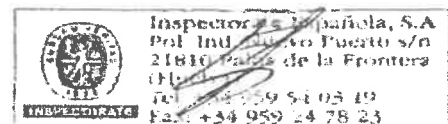
Precision parameters apply in the evaluation of the test results specified above. Please also refer to ASTM D3244 (Except for RFG), IP 367 and appendix E of IP standard methods for analysis and testing in respect to the utilization of test data to determine conformance with the specifications.

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

<sup>1</sup> Specifications: 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: 17/01/2019  
Name/s: Fernando Araujo  
Signature/s:





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## ANALYTICAL REPORT

Job Number: 004/1  
O/ Ref: SP1901-082  
Y/ Ref: T0119101 m/n "Historia 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

Customer: REPSOL PETROLEO  
Address: Mendéz Alvaro 44, 28045, Madrid, Spain.  
Customer: BP OIL  
Address: Avd. de Barajas 30, Parque Empresarial Omega - Edificio D, Alcobendas, Madrid 28108, España.

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 <sup>2</sup> /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

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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

AmSpec Iberia S.L.  
C/Océano Petrolífero  
Parque Empresarial "Las Mariposas"  
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**ANALYTICAL REPORT**

Job Number: 004/3  
O/ Ref: SP1901-082  
Y/ Ref: TD119212 m/n "Historia Gemma"  
Grade: GASOLINE 95  
Origin: TERMINALES CANARIOS, TENERIFE  
Label: AMSPEC

Date of reception: 04/02/2019  
Date Analysis started: 04/02/2019  
Date Analysis completed: 04/02/2018  
Sample Package: 2 X 1L CAN  
Sampling date: 30/01/19  
Seal Nº: N/A

Identification: SHORE TANK 212  
Description: SHORE TANK COMPOSITE  
Customer: REPSOL PETROLEO  
Address: Mendéz Alvaro 44, 28045, Madrid, Spain.  
Customer: BP OIL  
Address: Avd. de Barajas 30, Parque Empresarial Omega - Edificio D, Alcobendas, Madrid 28108, España.

Parameter	Units	Method	Result	Limit	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,7382		
DVPE	Kpa	EN ISO 13016-1:2008	67,7		
Distillation		ASTM D86 - 16a			
Evap at 70°C	%Vol		35,1		
Evap at 100°C	%Vol		57,8		
Evap at 150°C	%Vol		93,5		
FBP	°C		174,6		
Residue	%Vol		1,0		
Sulphur	mg/Kg	EN ISO 20846:2011	1,5		
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	<1		

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The samples will be kept for a period of three months.  
"This Analytical Report B93 - Revision 1, 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  
Laboratory Manager



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**ANALYTICAL REPORT**

Job Number: 004/2  
O/ Ref: SP1901-082  
Y/ Ref: T0219211 m/n "Hlstria Gemma"  
Grade: GASOLINE 95  
Origin: TERMINALES CANARIOS, TENERIFE  
Label: AMSPEC

Date of reception: 04/02/2019  
Date Analysis started: 04/02/2019  
Date Analysis completed: 04/02/2018  
Sample Package: 2 X 1L CAN  
Sampling date: 30/01/19  
Seal Nº: N/A

Identification: SHORE TANK 211  
Description: SHORE TANK COMPOSITE  
Customer: REPSOL PETROLEO  
Address: Mendéz Alvaro 44, 28045, Madrid, Spain.  
Customer: BP OIL  
Address: Avd. de Barajas 30, Parque Empresarial Omega - Edificio D, Alcobendas, Madrid 28108, España.

Parameter	Units	Method	Result	Unit	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,7386		
DVPE	Kpa	EN ISO 13016-1:2008	64,2		
Distillation		ASTM D86 - 16a			
Evap at 70°C	%Vol		35,5		
Evap at 100°C	%Vol		59,2		
Evap at 150°C	%Vol		95,0		
FBP	°C		174,4		
Residue	%Vol		1,0		
Sulphur	mg/Kg	EN ISO 20846:2011	4,6		
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	<1		

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The samples will be kept for a period of three months.  
"This Analytical Report 893 - Revision 1, cancel and replace the analytical report 893".

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

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## ANALYTICAL REPORT

Job Number: 004/4  
O/ Ref: SP1901-082  
V/ Ref: T0219311 m/n "Hístria Gemma"  
Grade: GASOLINE 9B  
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 311  
Description: SHORE TANK COMPOSITE  
Customer: REPSOL PETROLED  
Address: Mendéz Alvaro 44, 28045, Madrid, Spain.  
Customer: BP OIL  
Address: Avd. de Barajas 30, Parque Empresarial Omega - Edificio D, Alcobendas, Madrid 28108, España.

Parameter	Units	Method	Result	Limit	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,7436		
DVPE	Kpa	EN ISO 13016-1:2008	76,3		
Distillation		ASTM D86 - 16a			
Evap at 70°C	%Vol		33,8		
Evap at 100°C	%Vol		59,6		
Evap at 150°C	%Vol		93,8		
FBP	°C		170,4		
Residue	%Vol		1,0		
Sulphur	mg/Kg	EN ISO 20846:2011	2,2		
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	<1		

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The samples will be kept for a period of three months.  
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Date of Report: 05/02/2019  
Name/s: Ana Belén Sánchez  
Signature/s: Chief Analyst

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**ANALYTICAL REPORT**

Job Number: 004/5  
O/ Ref: SP1901-082  
Y/ Ref: T0119312 m/h "Historia Gemma"  
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 Nº: N/A

Identification: SHORE TANK 312  
Description: SHORE TANK COMPOSITE  
Customer: REPSOL PETROLEO  
Address: Mendéz Alvaro 44, 28045, Madrid, Spain.  
Customer: BP OIL

Address: Avd. de Barajas 30, Parque Empresarial Omega - Edificio D, Alcobendas, Madrid 28108, España.

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	1a		
Existent Gums (Washed)	mg/100ml	ASTM D 381 - 12(2017)	<1		
Total Contamination	mg/Kg	EN ISO 12662:2014	<1		

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

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