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# 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 : 17479-1  
o/Ref : ESONVJ20003685/2-001

<sup>A</sup>Date of Sampling : 22-Nov-2020 09:15  
Date of Reception : 27-Nov-2020  
Date of Analysis range : 30-Nov-2020  
Sample Package : Can Metal  
Seal No : ES28535 / ES28536

<sup>A</sup>Grade : Gasoil  
<sup>A</sup>Origin : Tenerife  
<sup>A</sup>Id : TK 102 GOA T0920102

## TK 102 GOA After discharging MT HISTRIA CORAL

ESONVJ20003685/2-001				
Test	Method	Unit	Result	Specification Min - Max
Density at 15°C	ASTM D4052 -18a	kg/m <sup>3</sup>	834.4	820 - 845
Sulfur Content	EN ISO 20846 :2019	mg/kg	6.4	10 Max
65% Recovered	ASTM D86 -20b	°C	298.3	250 Min
85% Recovered	ASTM D86 -20b	°C	331.1	350 Max
95% Recovered	ASTM D86 -20b	°C	353.5	360 Max
Obs Baro Pressure	ASTM D86 -20b	kPa	102.0	
Manual/Automated	ASTM D86 -20b	-	Automatic	
Kinematic Viscosity at 40°C	ASTM D445 -19a	mm <sup>2</sup> /s	2.564	2 - 4.5
Flash Point	ASTM D93 -20	°C	57.0	55 Min
Water Content	EN ISO 12937 :2000	ppm (m/m)	70	200 Max
Copper Corrosion (3h/50°C)	EN ISO 2160 :1998	-	1a	1a - 1b
Fame Content	EN 14078 :2014	% (V/V)	6.5	7 Max
Cold Filter Plugging Point	EN 116 :2015	°C	-18	-10 Max
Conductivity at 20°C	ASTM D2624 -15	pS/m	34	

### Remarks

Description Item: PETROLEUM PRODUCT  
TK 102 GOA T0920102

### AUTHORIZED SIGNATURE

Sonia Maria COCA SUAREZ, Laboratory Manager

Unless specified, the latest version at our disposal of the test methods has been used. Estimated uncertainties for each method are available upon request. All services are rendered in accordance with Inspectorate's General Terms and Conditions of Business, available on request or at [www.inspectorate.com/terms\\_and\\_conditions/index.asp](http://www.inspectorate.com/terms_and_conditions/index.asp). 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. Information marked by (\*) is provided by the customer, the sample owner, or the sample taker. The laboratory does not take responsibility for the accuracy of this information. 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.



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Job No : 17479-2  
o/Ref : ESONVJ20003685/2-002

^Date of Sampling : 27-Nov-2020 09:15  
Date of Reception : 27-Nov-2020  
Date of Analysis range : 30-Nov-2020  
Sample Package : Can Metal  
Seal No : ES28537 / ES28538

^Origin : Tenerife  
^Id : TK 211 GNA 95 T1020211

TK 211 GNA 95 After Discharging MT HISTRIA CORAL

ESONVJ20003685/2-002

Test	Method	Unit	Result	Specification
DVPE	EN 13016-1 :2018	kPa	67.1	Min - Max
Sulfur Content	EN ISO 20846 :2019	mg/kg	<3	50 - 74
Endpoint	ASTM D86 -20b	°C	178.4	10 Max
Residue	ASTM D86 -20b	% (V/V)	1.0	210 Max
Evaporated at 70°C	ASTM D86 -20b	% (V/V)	31.0	2 Max
Evaporated at 100°C	ASTM D86 -20b	% (V/V)	54.5	22 - 47
Evaporated at 150°C	ASTM D86 -20b	% (V/V)	94.6	46 - 69
Obs Baro Pressure	ASTM D86 -20b	kPa	102.1	75 Min
Manual/Automated	ASTM D86 -20b	-	Automatic	
Copper Corrosion (3h/50°C)	EN ISO 2160 :1998	-	1a	1a - 1b
Washed Gum Content	ASTM D381 -19	mg/100mL	<0.5	5 Max
Lead Content	ASTM D3237 -12(17)	g/L	<0.005	0.005 Max
Total Contamination	Total Contamination EN 12662 :2014	mg/kg	<12	
Density at 15°C	ASTM D4052 -18a	kg/m³	743.9	720 - 775

**Remarks**

Description Item: PETROLEUM PRODUCT  
TK 211 GNA 95 T1020211

**AUTHORIZED SIGNATURE**

Sonia María COCA SUAREZ, Laboratory Manager

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Cartagena, CP30350, Spain

Job No : 17479-4  
o/Ref : ESONVJ20003685/2-004  
  
^Origin : Tenerife  
^Id : TK 311 GNA 98 T1020311

^Date of Sampling : 27-Nov-2020 09:15  
Date of Reception : 27-Nov-2020  
Date of Analysis range : 30-Nov-2020  
Sample Package : Can Metal  
Seal No : ES28541 / ES28542

## TK 311 GNA 98 After Discharging MT HISTRIA CORAL

ESONVJ20003685/2-004

Test	Method	Unit	Result	Specification
				Min - Max
Density at 15°C	ASTM D4052 -18a	kg/m <sup>3</sup>	743.5	720 - 775
Sulfur Content	EN ISO 20846 :2019	mg/kg	<3	10 Max
Endpoint	ASTM D86 -20b	°C	179.0	210 Max
Residue	ASTM D86 -20b	% (V/V)	1.0	2 Max
Evaporated at 70°C	ASTM D86 -20b	% (V/V)	36.8	22 - 47
Evaporated at 100°C	ASTM D86 -20b	% (V/V)	60.7	46 - 69
Evaporated at 150°C	ASTM D86 -20b	% (V/V)	92.8	75 Min
Obs Baro Pressure	ASTM D86 -20b	kPa	102.1	
Manual/Automated	ASTM D86 -20b	-	Automatic	
Copper Corrosion (3h/50°C)	EN ISO 2160 :1998	-	1a	1a - 1b
Washed Gum Content	ASTM D381 -19	mg/100mL	<0.5	5 Max
Lead Content	ASTM D3237 -12(17)	g/L	<0.005	0.005 Max
Total Contamination	Total Contamination EN 12662 :2014	mg/kg	<12	
DVPE	EN 13016-1 :2018	kPa	68.8	50 - 74

### Remarks

Description Item: PETROLEUM PRODUCT  
TK 311 GNA 98 T1020311

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Sonia Maria COCA SUAREZ, Laboratory Manager

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