



**BUREAU
VERITAS**

CERTIFICATE OF QUALITY

Certificate No : GRATHJ22005268 HISTRIA CORAL_UNLEADED 98

VESSEL	HISTRIA CORAL
CARGO	UNLEADED GASOLINE 98 RON
LOCATION	ASPROPYRGOS, HELLENIC PETROLEUM S.A.
DATE	19/07/22
SAMPLE SOURCE	Shore tank P-8701 A
DRAWN BY	Terminal's Personnel, witnessed by surveyor
ANALYSIS WAS CARRIED OUT BY	Bureau Verita's Laboratory in Athens
WITNESSED	Not Applicable

No	TESTS	UNITS	METHODS	RESULTS	REMARKS
1	Density at 15 deg C	kg/m ³	ASTM D 1298/99	767.2	
2	Distillation		ASTM D 86/12		
	Evapor. at 70 deg C	% v/v		26.1	
	Evapor. at 100 deg C	% v/v		47.4	
	Evapor. at 180 deg C	% v/v		97.6	
	FBP	deg C		180.0	
	Residue	% v/v		1.0	
3	Color		VISUAL	L. Yellow	
4	Sulfur	% wt	ASTM D 5453/12	0.0003	
5	Copper Corrosion (3h at 50 deg C)		ASTM D 130/12	1A	
6	Lead	g/L	ASTM D 3237/12	0.002	
7	R.O.N *		ISO 5164	98.5	
8	M.O.N. *		ISO 5163	87.3	
9	Benzene *	% v/v	EN ISO 22854	1.18	
10	Ethanol *	% v/v	EN ISO 22854	0.03	
11	Methanol *	% v/v	EN ISO 22854	0.02	
12	Vapor Pressure (DVPE) at 100 deg F *	kpa	EN 13016-1	64.9	
13	Gum Existent (Solv. Washed)*	mg/100 ml	EN ISO 6246	2.0	
14	Oxidation Stability *	minutes	EN ISO 7536	>360	
15	Isopropyl Alcohol *	% v/v	EN ISO 22854	NIL	
16	Tetriary Butyl Alcohol *	% v/v	EN ISO 22854	0.05	
17	Ethers Containing 5 or more C atoms *	% v/v	EN ISO 22854	6.45	
18	Other Organic Oxygenates *	% v/v	EN ISO 22854	0.08	
19	Total Organic Oxygen *	% wt	EN ISO 22854	1.10	
20	VLI (10 RVP + 7E70)		EN 13016-1	831.7	

*As report in COQ

The results relate only to the items tested in the premises of this laboratory. This report reflects our finding at time and place of intervention only and does not refer to any other matters. The test results shown on this certificate affect only the samples received in this laboratory. The test report shall not be reproduced, except in full, without written approval of this laboratory. This report is issued pursuant to an analysis carried out with due care and without prejudice in accordance with Bureau Veritas Commodities Division standard terms and conditions, which can be viewed at www.inspectorate.com. Claims in respect of this report will be considered only if based upon failure to take due care proven by the principal. The Laboratory assume no liability whatsoever against parties other than principles. This report does not relieve any of the contracted parties from their contractual obligations, responsibilities or legal liabilities. This laboratory in no way assumes liability in excess of seven times the amount of their fee of present service. For establishing conformance with specifications precision parameters should apply under the pertinent standards, such as ASTM D 3244, IP 367 or ISO 4259: 2006 which cover the use of precision data in the interpretation of test results and conformance with specifications. The samples will be kept for a period of 90 days.

For BUREAU VERITAS



Enclosed to Report N° : GRATHJ20000176