

CERTIFICATE OF QUALITY

VESSEL CARGO	M/T KEMAL KA UNLEADED GASOLINE MIN. RON 92
BL DATE	25-12-2017
BL NUMBER	656
SHORETANK	V26/2
PORT	MIDIA, ROMANIA
BERTH	9A
OPERATION	LOADING

TO WHOM IT MAY CONCERN

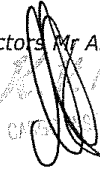
Characteristics	Limits	Test Method	Result
Density at 15 deg C, kg/l	max. 0.775	ASTM D 1298; 4052	0.7454
Research Octane Number	min. 92	ASTM D 2699	93.0
Motor Octane Number	min. 82	ASTM D 2700	83.0
Lead content gr/l	max. 0.005	ASTM D 3237 / EN 237	<0.0025
Benzen content, % vol	max. 1	EN ISO 22854	0.79
Distillation range		ASTM D 86	
10% vol. dist up to deg C	max. 60		48.0
50% vol. dist up to deg C	max. 120		99.4
90% vol. dist up to deg C	max. 180		160.6
Final boiling point deg C	max. 215		204.8
Residue vol. %	max. 1.5		1.0
Induction period minutes	min. 360	ASTM D 525	428
Sulphur content wt. ppm	max. 10	ASTM D 5453 / EN 20884	2.0
Copper strip corrosion (3 hours at 50 deg C)	max. 1B	ASTM D 130	1b
Existent gums mg/100 ml.	max. 4.0	ASTM D 381	1.0
Vapour pressure at 37.8 deg C Hg col	max 600 mm	ASTM D 5191	554.0
Residue and losses vol. %	max. 3.5		3.1
Aromatics Hydrocarbons vol %	max. 35	ASTM 1319 / EN ISO 22854	33.7

Sample Origin: SHORE TANKS COMPOSITE BEFORE LOADING

Tests were performed in ROMPETROL LABORATORY and witnessed by GKV inspectors.

When analysis witnessed by G.K.V. Ltd. inspector, our responsibility is solely to ensure that the analysis is conducted to standard test methods according with accepted industry practice. We are not responsible for apparatus, instrumentation and measuring devices. Reagents and solutions are accepted as prepared.

For G.K.V. Ltd.
Independent Inspectors Mr Abdula
Orhan, in Midia


INDEPENDENT CARGO INSPECTORS

Dated

25-12-2017