

**CERTIFICATE OF QUALITY**

<b>VESSEL</b>	<b>M/T KEMAL KA</b>
<b>CARGO</b>	<b>UNLEADED GASOLINE MIN. RON 95</b>
<b>BL DATE</b>	<b>24-12-2017</b>
<b>BL NUMBER</b>	<b>655</b>
<b>SHORETANK</b>	<b>B87</b>
<b>PORT</b>	<b>MIDIA, ROMANIA</b>
<b>BERTH</b>	<b>9A</b>
<b>OPERATION</b>	<b>LOADING</b>

TO WHOM IT MAY CONCERN

Characteristics	Limits	Test Method	Result
Density at 15 deg C, kg/l	max. 0.775	ASTM D 1298; 4052	0.7497
Research Octane Number	min. 95	ASTM D 2699	96.4
Motor Octane Number	min. 85	ASTM D 2700	85.5
Lead content gr/l	max. 0.005	ASTM D 3237 / EN 237	<0.0025
Benzen content, max vol %	max. 1	EN ISO 22854	0.70
Distillation range		ASTM D 86	
dist at 70 deg C vol %	min.10 / max.47		28.8
dist at 100 deg C vol %	min.38 / max.70		53.3
dist at 180 deg C vol %	min. 85		95.2
Final boiling point	max. 215		200.3
Residue vol. %	max. 2		1.2
Oxidation stability 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. 5.0	ASTM D 381	1.0
Vapour pressure at 37.8 deg C kpa	Winter - max. 90 Summer - max. 60	ASTM D 5191	76.0
Aromatics Hydrocarbons vol %	max. 35	ASTM 1319 / EN ISO 22854	32.8
Aspect	Clear and Bright	VISUAL INSPECTION	Clear and Bright

Winter: 1st October - 31st March  
Summer: 1st April - 30th September

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

Dated 24-12-2017