

 "LUKOIL NEFTOCHIM BOURGAS"AD	COMPANY TECHNICAL SPECIFICATION	CTS 1 – 38
METHYL TERT-BUTYL ETHER (MTBE)		

1. Technical requirements and test methods

№	Properties	Unit	Value		Test Method
			min	max	
1.	Appearance		Clear, transparent liquid		Visual inspection
2.	Density at 20 °C	kg/m ³	report		ASTM D 4052
3.	MTBE	% (m/m)	97,0	-	ASTM D 5441
4.	Methanol	% (m/m)	-	0,5	ASTM D 5441
5.	Tert-butyl alcohol (TBA)	% (m/m)	-	1,0	ASTM D 5441
6.	Tert-amyl methyl ether (TAME)	% (m/m)	report		ASTM D 5441
7.	C ₄ hydrocarbon content	% (m/m)	report		ASTM D 5441
8.	Sulphur content	mg/kg	-	50,0	ASTM D 5453
9.	Water content	% (m/m)	-	0,0150	ASTM E 1064

2. Product description

It is colourless liquid with ether-suchlike smell, highly flammable.

MTBE is used as an octane booster and oxygenate for unleaded gasoline.

3. Method for production and sampling

3.1 Man gets it from catalytic interaction between isobutene and methanol.

3.2 Sampling procedure corresponds to BDS EN ISO 3170.

Batch is the quantity of one kind or brand product, with same qualitative indices, produced by the same technologies, stored in one or more tanks and accompanied by a test document.

4. Storage

In covered tanks.

5. Transportation and documents

5.1 Tankers, tank lorry and rail tanks, observing the transport regulation of fire hazardous materials.

5.2 The product is classified as UN № 2398 according to UNO (United Nations Organization).

5.3 Each shipment shall be accompanied by Quality Certificate of the test results according to point 1.

5.4 Product SDS (Safety Data Sheet) is submitted to the user prior or at the time of first delivery.

End

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