

CERTIFICATE OF QUALITY

Client: SOCAR LOGISTICS
Client ref #: N/A
Port of Loading: KULEVI, GEORGIA
Destination: Constanta, Romania
For vessel: FMT BERGAMA
Bill of Lading No: 3
Bill of Lading dated: 24-APR-2022
Beneficiary of Goods: SOCAR PETROLEUM SA
Product Origin: AZERBAIJAN
Producer of Goods: SOCAR METHANOL PLANT
Batch Number: 22043734; 22044136.
Batch production date: 18-19.04.2022
Shelf Life: The Producer minimum guarantee period is given as minimum 6 months from Production date if stored/transported/handled according to
SGS Order #: TBA

DESCRIPTION AND CODE OF GOODS	UNIT	GROSS QUANTITY
METHYL ALCOHOL (METHANOL)	MT (VAC)	3198.557
	MT (AIR)	3194.137

Quantity calculated as per API Chapter 17.12.

Sample origin: Shore tank # 18 composite sample

Sampling method: running, as per API Standards

Samples drawn and received by laboratory on 22.04.2022

Sample lab #: M0039

No	TESTS	UNITS	METHODS	LIMITS	RESULTS
1	Appearance		IMPCA 003-98	Clear and free of suspended matter	Clear and free of suspended matter
2	Specific Gravity 20°/20°		ASTM D4052-11	Min 0.7910 / Max 0.7930	0.7927
3	Hydrocarbons		ASTM D1722-09	Pass test	Pass test
4	Water	% w/w	ASTM E1064-12	Max 0.100	0.023
5	Potassium Permanganate Time test at 15°C	minutes	ASTM D1363-11	Min 60	More than 60
6	Colour	Pt-co	ASTM D1209-11	Max 5	5
7	Carbonisable Substances (Sulfuric Acid Wash test)	Pt-co	ASTM E346-08	Max 30	10
8	Acidity as Acetic acid	mg/kg	ASTM D1613-12	Max 30	15
9	Chloride as Cl	mg/kg	IMPCA 002-98	Max 0.5	0.3
10	Sulphur	mg/kg	ASTM D5453-12	Max 0.5	Less 0.5
11	Distillation Range at 760 mm Hg:		ASTM D1078-11	To include 64.6° +/-0.1°	
	IBP	deg C			64.4
	dry point	deg C			65.4
	range (IBP-DP)	deg C		Max 1.0 deg C	1.0
12	Non Volatile Matter	mg/1000ml	ASTM D1353-13	Max 8	3
13	Purity on dry basis	% w/w	IMPCA 001-14	Min 99.85	99.98
14	Acetone	mg/kg	IMPCA 001-14	Max 30	9
15	Ethanol	mg/kg	IMPCA 001-14	Max 50	17
16	Iron in solution	mg/kg	ASTM E 394-09	Max 0.10	0.02

The results shown in this test report specifically refer to the sample(s) tested as received unless otherwise stated. All tests have been performed using the latest revision of the methods indicated, unless specifically marked otherwise on the report. Precision parameters apply in the determination of the above results. Users of analytical results, when establishing conformance with commercial or regulatory requirements should note the full provisions of ASTM D3244, IP 367 and ISO 4259 in that context, the default confidence level of petroleum testing having been set at the 95% confidence level. Your attention is specifically drawn to Sections 7.3.6., 7.3.7 and 7.3.8 of ASTM D3244. This test report is issued under the company's general conditions of service (copy available upon request or on the company website at www.sgs.com). Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. This report shall not be reproduced except in full, without the written approval of the laboratory.

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SGS Georgia Ltd. OGC Services 2nd Floor, Assafarhi str. 6000 Batumi, Georgia. Tel: (+995422) 255222; 250557. www.sgs.com.