

International Independent Inspection & Testing Company

P.O. Box 2209, Plot No. TP/010305, National Industries Park, Dubai - United Arab Emirates, Tel.: +971 4 8867400, Fax: +971 4 8867401

Laboratory: E-mail: lab.dubai@geochemglobal.com, Operation: Email: operations.dubai@geochemglobal.com

ISO 9001:2015 CERTIFIED COMPANY

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CERTIFICATE OF QUALITY

Lab Report No. : GC/LR/884821/2022
 Sample No. : GC/884821
 Ref. No. : INSP/324/03/2022
 Vessel : M.T. "GOLDEN BRILLIANT"
 Commodity : Methanol
 Issued at : Jebel Ali, U.A.E
 Issue Date : 13/03/2022
 Sample reference : Ship Tank# 1W to 5W & Slop W
 Composite Sample
 Dated: 12/03/2022

Test Item	Unit	Method	Spec. Value	Result
Appearance	---	ASTM D1772	Clear and free of suspended matter	Clear and free of suspended matter
Purity	WT%	ASTM E346	Min 99.85	99.9
Water	WT%	ASTM E1064	Max 0.1	0.02
Ethanol	WT%	ASTM E346	Max 0.0050	<0.005
SP.GR@20/20°C	--	ASTM D4052	0.791-0.793	0.7927
Acetone	WT%	ASTM E346	Max 0.001	<0.001
Permanganate Time @15 °C	Minutes	ASTM D1363	Min 60	>60
Distillation Range	--	ASTM D1078	Max 1.0	0.6
Acidity	WT%	ASTM D1613	Max 0.003	0.002
Total Iron	PPM	ASTM D1068	Max 0.1	0.04
Chloride	PPM	ASTM D512	Max 0.2	0.05
Sulphur	PPM	ASTM D5623	Nil	Nil
Carbonisable	PT-CO	ASTM E346	Max 30 APHA	Below 30
Hydrocarbons	Water miscibility	ASTM D1722	Passes test	Passes
Odour	--	ASTM D1296	Characteristic with non residual odour	Characteristic non residual odour
Colour PT-CO	APHA	ASTM D1209	Max 5APHA	LT 5
Non Volatile Matter	Mg/1000ml	ASTM D1353	Max 8	<8
Alkalinity as NH3	WT%	ASTM D1614	Nil	Nil

Remarks: Sample meets contractual specification of Methanol with respect to the above tests only.

Test conducted on : 12-13/03/2022
 Test method deviation : None
 Sampling method : ASTM D 4057
 Test conducted by : 813, 895, 881
 Report prepared by : 243

The above test results are only applicable to the samples(s) referred above

REPORTED BY

PRADEESH PRADEEP
LABORATORY MANAGER

The Test Report shall not be reproduced (except in full) without the written approval of Geo-Chem Middle East
 Samples shall be retained for 90 days only, unless otherwise instructed by customers and agreed by Geo-Chem Middle East in writing.

QA.LD/16; Revision 02; Issue date : 15/01/2019.

END OF REPORT

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