

ORIGINAL

Certificate No. O-014052

CERTIFICATE OF QUALITY

VESSEL: M.T. "STOLT ISLAND"
B/L NO. & DATE: 150, DATED 02.03.2022
LOADING PORT: KARACHI, PAKISTAN
DISCHARGE PORT: ROTTERDAM, NETHERLANDS
CONSIGNMENT: 998.249 METRIC TONS OF HYDROUS REN ALCOHOL WITH MINIMUM STRENGTH OF 95.00 PCT AT 20 DEG C MADE OUT OF SUGAR CANE OR ITS MOLASSES AND FREE FROM ANY FOREIGN MATERIAL- IN BULK

THIS IS TO CERTIFY that in accordance with instructions received from Rosadani Euro SA; we have superintended above consignment from 01ST to 02ND March 2022 at Keamari, Karachi. We report as under:

SAMPLING/QUALITY: Before loading composite, samples were drawn from Shore Tank AASML-# 10 being representative of quality of bulk delivery of consignment on board. Samples were labelled and sealed by us. One sealed sample of shore tank composite was submitted to SGS Lab., Karachi for analysis. Results as received from the testing laboratory are reproduced hereunder

PARAMETERS	METHOD	UNIT	SPECIFICATI ON LIMITS	TEST RESULTS
Ethanol content Vol at 20 Deg C	OIML	Vol %	Min 95.0	96.00
Dry Matter	ASTM D-1353	MG/100ML	Max 10	< 0.5
Acidity (as Acetic Acid)	ASTM D1613	G/HL	Max 7	0.84
Easter as Ethyl Acetate	OGC TG ETOH - 02	G/HL	Max 25	4.10
Aldehydes as Acetaldehydes	OGC TG ETOH - 02	G/HL	Max 20	0.86
Methanol	OGC TG ETOH - 02	G/HL	Max 10	2.60
Higher Alcohols				
N-Propanol,			25	2.55
Iso-Butanol,			25	< 0.2
N-Butanol,	OGC TG ETOH - 02	G/HL	25	< 0.2
Iso-Amyl Alcohol,			25	< 0.2
N-Amyl Alcohol)			25	< 0.2
Iso-Propanol				1.76
Furfural	OGC TG ETOH - 02	G/HL	Negative	*Not detected
Permanganate Time Test at 20Deg. C.	ASTM D-1363	Minute	5	8
Hydrocarbons (Water miscibility)	ASTM- D 1722-09	-	Miscibility w/o Opl	Passes Test
Odour	Organoleptic	-	Not Foreign	Not Foreign
Aspect	Visual	-	Clear, Liquid Free from Suspended matter	Clear, Liquid free from suspended matter

* Not deducted= Lowest detection limit 0.2 g/hL

Cont'dP/2...

NOTE: 1. The above parcel was loaded on board in Ship's tank Nos. 8P & 8S (Total 02 Tank)

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 the data shown on this report should refer to the latest published revisions of ASTM D-3244; IP 367 and ISO 4259 and when utilising the test data to determine conformance with any specification or process requirement. This report shall not be reproduced except in full, without the written approval of the laboratory. Unless otherwise stated the samples referred to in this DOCUMENT



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represent an average obtained through random sampling and will be retained for a maximum period of 3 months unless instructions to the contrary are received at the time and place of sampling.

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