

ORIGINAL

Certificate No. O-014244 CERTIFICATE OF QUALITY

SHIPPER:	CHASHMA SUGAR MILLS LIMITED, ISLAMABADI PAKISTAN
L/C NO & DATED:	IX01117010337617, DATED 17.02.2022
BUYERS:	TRADHOL INTERNACIONAL S.A., CARRETERA DE HÚMERA 43, 28224 POZUELO DE ALARCON, SPAIN
RECEIVERS:	ALCOHOLES OLIVA., PASAJE ESTACION S/N, 08730 STA. MARGARIDA I ELS MONJOS
VESSEL:	M/T "DIAMOND T"
BILL OF LADING:	DT/KHI/TAR-01, DATED 10.04.2022
PORT OF LOADING:	KARACHI, PAKISTAN
PORT OF DISCHARGE:	TARRAGONA, SPAIN
PRODUCT:	3,166.251 METRIC TONES OF NEUTRAL ETHYL ALCOHOL MADE FROM SUGAR CANE MOLASSES., IN -BULK
DATE OF ATTENDANCE:	07 TH – 10 TH APRIL, 2022
AT:	AASML TERMINALS, KEAMARI, KARACHI PORT, PAKISTAN
SHORE TANK(S):	AZLAK-04
SHIP TANK(S):	2P, 3S, 4P & 5S (04 TANKS)
PLACE OF ISSUE:	KARACHI – PAKISTAN

THIS IS TO CERTIFY that in accordance with instructions received from Tradhol Internacional SA, Spain; we have superintended above consignment from 08th to 10th April 2022 at Keamari, Karachi. We report as under

SAMPLING/QUALITY: Before loading composite, samples were drawn from Shore Tank # AZLAK -04 being representative of quality of bulk delivery of consignment on board. Samples were labelled and sealed by us. One sealed sample of each shore tank composite was submitted to SGS Lab., Karachi for analysis. Results as received from the testing laboratory evidencing that analysis have been affected on a composite representative sample drawn Ex-Shore Tanks before loading, and conforming with the specifications as per contract Ref 2150

PARAMETERS	METHOD	UNIT	SPECIFICATION LIMITS	TEST RESULTS
Strength by Volume at 20 Degrees C	OIML	Vol %	96.2 Min	96.52
Dry Matter	ASTM D 1353-13	GR/HL	Max 1.0	< 0.5
Acidity (as Acetic Acid)	ASTM D-1613-17	GR/HL	Max 1.0	0.84
Esters as Ethyl Acetate	OGC TG ETOH -02	GR/HL	Less than 0.5	<0.2
Aldehydes as Acetaldehydes	OGC TG ETOH -02	GR/HL	Less than 0.5	<0.2
Methanol	OGC TG ETOH -02	GR/HL	Less than 0.5	<0.2
Higher Alcohols				
N-propanol,				< 0.2
Iso-butanol				< 0.2
N-Butanol,	OGC TG ETOH -02	GR/HL	Max 0.5	< 0.2
Iso-Amyl Alcohol,				< 0.2
N-Amyl Alcohol				< 0.2
Iso -Propanol (IPA)	OGC TG ETOH -02	GR/HL	Max 1.5	1.03
Furfural	OGC TG ETOH -02	GR/HL	Negative	* Not Detected
Hydrocarbons	ASTM D-1722-09	-	Absent	Passes test
Crotonaldehydes	OGC TG ETOH -02	GR/HL	Absent	*Not Detected
Aspect	Visual	-	Clear Liquid free from suspended matter	Clear Liquid free from suspended matter
Odor	Organoleptic	-	Neutral	Neutral



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PARAMETERS	METHOD	UNIT	SPECIFICATION LIMITS	TEST RESULTS
Permanganate Time Test at 20 Deg. C	ASTM D-1363-11	Minute	Min 25	33
Nitrogen base	ASTM D-4629	GR/HL	0.1	< 0.03
Curve	UV Spectrophotometer	-	Smooth	Smooth
Absorbance UV (Reference: Water, Cell: 1CM)				
• 270 nm Extinction	UV Spectrophotometer	-	Max 0.02	0.0050
• 240 nm Extinction		-	Max 0.06	0.0397
• 230 nm Extinction		-	Max 0.12	0.0925
• 220 nm Extinction		-	Max 0.25	0.1889

*ND = Not Detected (LDL = 0.2 G/HL)

NOTE: 1. The above parcel was loaded on board commingled with other parcels as a part of **7,403.488 M/tons** in Ship's tank no. 2P, 3S, 4P & 5S (04 TANKS)

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 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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SGS PAKISTAN (PRIVATE) LTD.

