

# Shahmurad Sugar Mills Limited

(Distillery Division)



## ETHANOL (ETHYL ALCOHOL) ENA 96.2%

Test Description	Method	UoM	Specifications
Alcohol Strength by Vol.% at 20 °C	OIML	Vol.%	>96.2
Acidity as (Acetic Acid)	ASTM D1613	g/hL	1.5 Max
Ester as (Ethyl Acetate)	OGC TG ETOH-02	g/hL	1.3 Max
Aldehydes as (Acetaldehyde)	OGC TG ETOH-02	g/hL	1.0 Max
Methanol	OGC TG ETOH-02	g/hL	1.0 Max
Higher Alcohols	OGC TG ETOH-02	g/hL	1.0 Max
Furfural	OGC TG ETOH-02	g/hL	Not Detected
Iso-propanol (IPA)	OGC TG ETOH-02	g/hL	2.0 Max
Permanganate time test at 20 °C	ASTM D1363	Minutes	25 Min
<b>**Absorbance UV</b> (reference, water 1 cm cell)		-	
• Absorbance at 270 nm	UV-Spectrophotometer	nm	0.020 Max
• Absorbance at 240 nm		nm	0.060 Max
• Absorbance at 230 nm		nm	0.120 Max
• Absorbance at 220 nm		nm	0.250 Max
UV Curve	UV-Spectrophotometer	-	Smooth
Odor	Organoleptic	-	Not Foreign
Aspect/Appearance	Visual	-	*Clear Liquid, free from suspended matter.

\*Clear liquid free from suspended matter.

\*\* We cannot guarantee the UV of Ethanol at customer end, as It has been revealed from the study and lab experiments that UV absorbance of alcohol in contact with plastic or other packaging material (except glass) has found to increase over time.