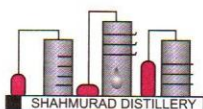


Shahmurad Sugar Mills Limited

(Distillery Division)



GENERAL SPECIFICATIONS

ETHANOL 96% (PLUS) FERMENTED FROM SUGAR CANE MOLASSES

TEST METHOD	METHOD TITLE	GENERAL SPECIFICATIONS
OIML	Strength by Volume at 20 Degrees C	96.2
ASTM-D-1353-13	Dry Matter, gr/hl	1.0 Max
ASTM D-1613-17	Acidity as Acetic Acid, gr/hl	1.0 Max
GC/SGS ETOH 0001-14	Esters as Ethyl Acetate, gr/hl	1.0 Max
GC/SGS ETOH 0001-14	Aldehydes as Acetaldehyde, gr/hl	1.0 Max
GC/SGS ETOH 0001-14	Methanol, gr/hl	2.0 Max
GC/SGS ETOH 0001-14	Higher Alcohols, gr/hl	1.0 Max
GC/SGS ETOH 0001-14	Furfural	Not Detected
GC/SGS ETOH 0001-14	IPA gr/hl	1.4 Max
ASTM D 1722-09	Hydrocarbons	Passes Test
ASTM D3559-15	Lead (as heavy metal contaminant), mg/L	≤0.01

TEST METHOD	METHOD TITLE	GENERAL SPECIFICATIONS
ASTM D-1363 - 11	Permanganate Time Test at 20 Deg C, minutes	25 - 30
UV Spectrophotometer	Absorbance U.V. (Reference: Water, Cell: 1CM) 270 NM Extinction 240 NM Extinction 230 NM Extinction 220 NM Extinction	 0.02 MAX 0.06 MAX 0.12 MAX 0.25 MAX
UV Spectrophotometer	Curve	Smooth
Organoleptic	Odor	Neutral
Visual	Aspect	Clear Liquid, free from suspended matter