



# ILLOVO SUGAR (SOUTH AFRICA) (PTY) LTD MEREBANK

## PRODUCT SPECIFICATION – RECTIFIED EXTRA NEUTRAL ALCOHOL

REVISION:

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TESTS	SPECIFICATION
<b>Description</b>	A clear, colourless, volatile liquid, free from foreign particles.
<b>Odour</b>	Characteristic and spirituous.
<b>Solubility</b>	Miscible with water, ether and chloroform.
<b>Identification</b>	Yellow precipitate is produced.
<b>Density @ 20°C</b>	NMT 0.8076 g/ml
<b>Acidity</b>	NMT 30 ppm
<b>Non-volatile impurities</b>	NMT 25 ppm
<b>Aldehydes</b>	NMT 5 ppm
<b>Esters</b>	NMT 30 ppm
<b>Methanol</b>	NMT 50 ppm
<b>Higher Alcohols</b>	NMT 5 ppm
<b>Cyclohexane</b>	NMT 5 ppm
<b>UV Absorbance</b>	WAVELENGTH ABSORBANCE:  240 nm                      0.40 Maximum 250 – 260 nm              0.30 Maximum 270 – 340 nm              0.10 Maximum  The curve should be smooth between 235 & 340nm.
<b>Assay</b>	NLT 96 % v/v

### PRODUCT SPECIFICATIONS

<b>1. METHOD OF PRODUCTION</b>	Fermentation and Distillation of Sugarcane molasses
<b>2. PACKAGING MATERIAL AND METHOD</b>	Bulk and drums (road and sea transport)
<b>3. STORAGE CONDITIONS</b>	a) Store in a well ventilated area and in a closed system. Keep away from heat, sparks, open flames, hot surfaces and no smoking allowed near the Product. b) Storage temperature >40°C should be avoided.
<b>4. SHELF LIFE</b>	One year from the date of manufacture

<b>5. PREPARATION AND HANDLING BEFORE USE OF PROCESSING</b>	a) Take measures to prevent electrostatic charges (eg. Grounding when transferring/filling). b) Containers must be labelled properly. c) Storage tanks should have equipotential electrical bonding and be earthed. d) Keep away from strong oxidising agents, acids and alkali metals.
<b>6. INTENDED USE</b>	Applications and use in Pharmaceuticals, chemical/solvent extractions, intermediate and formulations, fuels, functional fluids, coatings, de-icing and anti-icing applications, industrial applications and consumer applications. Direct food/beverage applications must comply with the relevant food safety regulations. This product is not intended for direct consumption by the user.

Please refer to the Safety Data Sheet for further information.