



ILLOVO SUGAR (SOUTH AFRICA) (PTY) LTD MEREBANK

PRODUCT SPECIFICATION – POTABLE EXTRA NEUTRAL ALCOHOL

REVISION:

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| TESTS | SPECIFICATION |
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| Description | A clear, colourless, volatile liquid, free from foreign particles. |
| Odour | Characteristic and spirituous. |
| Solubility | Miscible with water, ether and chloroform. |
| Identification | Yellow precipitate is produced. |
| Density @ 20°C | NMT 0.8076 g/ml |
| Acidity | NMT 30 ppm |
| Non-volatile impurities | NMT 25 ppm |
| Aldehydes | NMT 5 ppm |
| Esters | NMT 30 ppm |
| Methanol | NMT 50 ppm |
| Higher Alcohols | NMT 5 ppm |
| Cyclohexane | NMT 5 ppm |
| UV Absorbance | 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. |
| Assay | NLT 96 % v/v |

PRODUCT SPECIFICATIONS

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| 1. METHOD OF PRODUCTION | Fermentation and Distillation of Sugarcane molasses |
| 2. PACKAGING MATERIAL AND METHOD | Bulk and drums (road and sea transport) |
| 3. STORAGE CONDITIONS | 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. |
| 4. SHELF LIFE | One year from the date of manufacture |

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| 5. PREPARATION AND HANDLING BEFORE USE OF PROCESSING | 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. |
| 6. INTENDED USE | 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.