

SPECIFICATION

Product: Isoamyl Alcohol (3-Methyl-1-butanol), bio-based
Pentanols 99.0 % min.

Molecular formula $C_5H_{12}O$
CAS No. 123-51-3
EINECS No. 204-633-5

CHARACTERISTICS	UNITS	MIN./MAX. VALUES
Purity (pentanols)	%	99.0 min.
Appearance	—	clear transparent liquid, colourless to pale yellow
Water	%	0.20 max.
Density at 20 °C	g/cm ³	0.810 – 0.815
Acidity	mg KOH/g	0.3 max.

Typical values (not specified): molecular weight 88.15 g/mol · boiling point 132 °C (760 mmHg) · refractive index n_D^{20} 1.4014.

Shelf life: 12 months.

SUSTAINABILITY DATA

Feedstock	Fusel oil from sugar-cane ethanol fermentation (Brazil)
Life cycle assessment	ISO 14040/14044, cradle-to-gate, EF 3.1 – key figures on request