



Ethyl lactate Cod. 10302040

Description Ethyl lactate is an ester of natural L-Lactic acid, which is produced by fermentation from sugar. It is a clear and colorless liquid of low volatility, having a characteristic odor. Ethyl lactate is completely miscible with water and most organic solvents.

Specification	Assay	min. 98 % (w/w)
	Potassium	max. 100 ppb
	Sodium	max. 100 ppb
	Relative density 20 °C	1.030-1.038 g/ml
	Acidity, as lactic acid	max. 0.1 %
	Aluminium	max. 100 ppb
	Cadmium	max. 100 ppb
	Calcium	max. 100 ppb
	Chromium	max. 100 ppb
	Copper	max. 100 ppb
	Iron	max. 100 ppb
	Lead	max. 100 ppb
	Lithium	max. 100 ppb
	Magnesium	max. 100 ppb
	Manganese	max. 100 ppb
	Nickel	max. 100 ppb
	Stannum	max. 100 ppb
	Zinc	max. 100 ppb
	Distillation range (5-95%, 1013 mbar)	145-160
	Water content (Karl Fisher)	max. 0.3 %
	Non volatile residue	max. 0.01 %
	Color	max. 50 Apha
	Refractive index 25 °C	1.410-1.420

Physical-chemical-properties	Chemical name	ethyl-S(-)-2-hydroxypropionate
	Flash point (ASTM D93-90)	56°C / 132.8°F
	Boiling point	154 °C
	Melting point	-3 °C
	Molecular formula	CH ₃ CH(OH)COOCH ₂ CH ₃
	Molecular weight	118 g/mol

Regulatory / Registration	CAS number	687-47-8 ethyl (S)-2-hydroxypropionate
	EC number	211-694-1