

PURASOLV® ELECT

Description

PURASOLV ELECT is the ethyl 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. PURASOLV ELECT is completely miscible with water and most organic solvents.

Specification

Product	ethyl lactate
Assay	min. 99.7% w/w
Density (at 20°C)	1.0325 - 1.0345 g/ml
Distillation range (5-95%, 1013 mbar)	145 - 160°C
Acidity	max. 150 ppm
Water content (Karl Fisher)	max. 0.03%
Non-volatiles	max. 0.005%
Refractive index (at 25°C)	1.4100 - 1.4200
Color	max. 10 apha
Cu	max. 3 ppb
Fe	max. 3 ppb
Na	max. 3 ppb
Ni	max. 3 ppb
Pb	max. 3 ppb
K	max. 3 ppb
Mg	max. 3 ppb
Mn	max. 3 ppb
Ca	max. 3 ppb
Cr	max. 3 ppb
Al	max. 3 ppb
Zn	max. 3 ppb
Li	max. 3 ppb
Sn	max. 3 ppb
Cd	max. 3 ppb
Transmission (PURAC test)	min. 99.7%

Physical-chemical properties

Flash point (closed cup, ISO 2719)	59°C/139°F
Molecular weight	118 g/mol
Molecular formula	CH ₃ CH(OH)COOCH ₂ CH ₃
Chemical name	ethyl-S(-)-2-hydroxy-propionate

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Registration

CAS number
EC number
USA/FDA
JECFA

Product data

Rev.No.9/1013

687-47-8
211-694-1
GRAS flavor
Approved food additive

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