



## Product Specification

Product code:	1182
Product name:	Natural Ethyl Lactate
Chemical name or synonyms:	Ethyl (2S)-2-hydroxy propanoate
Empirical formula:	C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>
Declaration in USA:	Natural
EEC:	Natural Flavoring Substance
Appearance:	Colorless to pale yellow liquid
Odor:	Fruity, Butterscotch
Boiling point:	154°C
Flash point:	ca. 46°C
Specific gravity @ 20°/20°C:	1.030 – 1.040
Refractive index @ 20°C:	1.406 – 1.416
Optical Rotation:	-5° to -12°
Assay (by GLC):	98% min.
%ee (by Chiral GC):	50% min. (%R: 25% max. and %S: 75% min.)
Solubility:	Insoluble in water; soluble in most organic solvents.
Storage and shelf life:	In tightly closed container away from light and source of ignition at max. 20°C; 24 months min.
FEMA No.:	2440
CFR No.:	172.510
EINECS No.:	202-598-0
CAS No.:	97-64-3/687-47-8
CoE No.:	371
HS code:	2918.11.1000
FLAVIS No.:	9.433

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