



## Product Specification

Product code:	1048
Product name:	Natural Ethyl levulinate
Chemical name or synonyms:	Levulinic acid, ethyl ester
Empirical formula:	C <sub>7</sub> H <sub>12</sub> O <sub>3</sub>
Declaration in USA:	Natural
EEC:	Natural flavoring substance
Appearance:	Colorless to pale yellow liquid
Odor:	Pineapple, apple, rhubarb
Melting point (for solids only):	-
Boiling point:	203-205°C
Flash point:	ca. 94°C
Specific gravity @ 20°/20°C:	1.010-1.020
Refractive index @ 20°C:	1.416-1.426
Assay (by GLC):	98% 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.:	2442
CFR No.:	172.510
EINECS No.:	208-728-2
CAS No.:	539-88-8
CoE No.:	373
HS code:	2918.30.9000
FLAVIS No:	9.435

Date: Aug. 2015  
Version: 7.0