

## Product Specification

Product code:	1028
Product name:	Natural Butyl Lactate
Chemical name or synonyms:	Propanoic acid; 2-hydroxybutyl ester
Empirical formula:	C <sub>7</sub> H <sub>14</sub> O <sub>3</sub>
Declaration in USA:	Natural
EU:	Natural Flavoring Substance
Appearance:	Colorless to pale yellow liquid
Odor:	Sweet, creamy, milky
Melting point (for solids only):	N/a
Boiling point:	185-187°C
Flash point:	69.4°C
Specific gravity @ 20°/20°C:	0.975 - 0.988
Refractive index @ 20°C:	1.413 - 1.423
Optical Rotation:	-17.0 to -7.0
Assay (by GC):	98% min.
% ee (by Chiral GC):	90% min. (%R: 95% min. and %S: 5% max.)
Solubility:	Slightly soluble 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.
FEMA No.:	2205
CFR No.:	172.510
EINECS No.:	205-316-4
CAS No.:	138-22-7
CoE No.:	372
HS code:	2918.11.5100
FLAVIS No.:	9.434