



## Product Specification

Product code:	1089
Product name:	Natural 2 Methyl Butyric Acid EU
Chemical name or synonyms:	(S)-2-Methyl Butanoic Acid
Empirical formula:	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>
Declaration in USA:	Natural
EU:	Natural Flavoring Substance
Appearance:	Colorless to pale yellow liquid
Odor:	Slightly Fruity
Melting point (for solids only):	N/a
Boiling point:	176°C
Flash point:	ca. 80°C
Specific gravity @ 20°/20°C:	0.932 - 0.942
Refractive index @ 20°C:	1.400 - 1.410
Optical Rotation:	+16.5° to +19°
Assay (by GLC):	98% min.
%ee (by Chiral GC):	%R: 5% max. and %S: 95% min.
Solubility:	Slightly soluble in water; soluble in most organic solvents; 1 ml is soluble in 1 ml 90% alcohol.
Storage and shelf life:	In tightly closed container away from light and source of ignition under nitrogen at max. 20°C; 36 months min.
FEMA No.:	2695
CFR No.	172.510
EINECS No.:	204-145-2
CAS No.:	1730-91-2/116-53-0
CoE No:	2002
HS Code:	2915.60.1000
FLAVIS No.:	8.046

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