



Penta International Corporation

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TECHNICAL DATA SHEET

PRODUCT NAME: L-MENTHOL CRYSTALS USP SYNTHETIC		
PRODUCT CODE: 13-12950		
REV DATE: December 22, 2020	SHELF LIFE: 36 Months	CAS #: 2216-51-5
FEMA #: 2665	ECHA #: 218-690-9	Food Grade, Kosher, Halal

TEST	SPECIFICATIONS
MOLECULAR FORMULA	C ₁₀ H ₂₀ O
MOLECULAR WEIGHT	156.27
APPEARANCE	COLORLESS, HEXAGONAL CRYSTALS, USUALLY NEEDLE-LIKE; OR IN FUSED MASSES, OR CRYSTALLINE POWDER
IDENTIFICATION A	TO PASS TEST
IDENTIFICATION B	TO PASS TEST
ASSAY	NOT LESS THAN 98.0% AND NOT MORE THAN 102.0%
LIMIT OF NONVOLATILE RESIDUE	NOT MORE THAN 0.05%
RELATED COMPOUNDS	INDIVIDUAL IMPURITIES NOT MORE THAN 0.3% TOTAL IMPURITIES NOT MORE THAN 2.0%
MELTING RANGE	BETWEEN 41° - 44°C
SPECIFIC ROTATION	BETWEEN -45° - 51°C
SOLUBILITY	VERY SOLUBLE IN ALCOHOL, IN CHLOROFORM, IN ETHER, AND IN SOLVENT HEXANE FREELY SOLUBLE IN GLACIAL ACETIC ACID, IN MINERAL OILS, AND IN FIXED AND VOLATILE OILS SLIGHTLY SOLUBLE IN WATER
PACKING & STORAGE	PRESERVE IN TIGHT CONTAINERS, PREFERABLY AT CONTROLLED ROOM TEMPERATURE