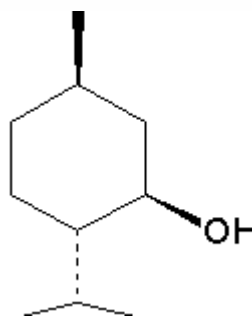


## SPECIFICATION SHEET

**VERSION** 5,00      **VERSION DATE** 19/09/22      **PRINT DATE** 27/07/24

**PRODUCT** MENTHOL CRYSTALS, NATURAL  
**APPLICATIONS** Industrial raw material not intended for direct use.  
**IUPAC NAME** 5-METHYL-2-ISOPROYL CYCLOHEXANOL  
**SYNONYMS** P-MENTHAN-3-OL, L-MENTHOL

**PLANT OF ORIGIN** Ex Mentha arvensis  
**PART OF THE PLANT** FLOWERING TOPS  
**FORMULA** C<sub>10</sub> H<sub>20</sub> O  
**MOLECULAR WEIGHT** 156,00  
**CAS** 2216-51-5  
**CAS 2** 89-78-1  
**EINECS** 218-690-9  
**EINECS 2** 201-939-0  
**FEMA** 2665  
**TARIFF NUMBER** 2906110000



**FOOD GRADE CERTIFICATE** AVAILABLE ON REQUEST  
**REACH REGISTRATION NO.** 01-2119458866-21

### SPECIFICATIONS

**ASPECT AT 20°C** CRYSTALLINE SOLID  
**COLOUR** COLORLESS  
**ODOUR** COOL, MENTHOLIC  
**TASTE** CHARACTERISTIC, REFRESHING  
**DENSITY AT 20°C (g / ml)** 0,813 - 0,820  
**DENSITY 25/25** -  
**REFRACTIVE INDEX n<sub>D20</sub>** 1,3700 - 1,3750  
**REFRACTIVE INDEX n<sub>D25</sub>** -  
**OPTICAL ROTATION (°)** -51,00 / -48,00  
**BOILING POINT (°C)** -  
**MELTING POINT (°C)** 41 - 44  
**FLASH POINT (°C)** 93,00  
**ASSAY (% GC)** L-MENTHOL > 99  
**ACID VALUE (mg KOH/g)** -  
**SOLUBILITY** SLIGHTLY SOLUBLE IN WATER  
**VAPOUR PRESSURE** NOT DETERMINED  
**OTHER SOLUBILITIES** SOLUBLE IN ETHANOL

**OTHER TECHNICAL DATA** VALUES OF DENSITY AND REFRACTIVE INDEX OF A DISSOLUTION OF 10% IN ETHANOL.

### STABILITY AND STORAGE

KEEP IN TIGHTLY CLOSED CONTAINER IN A COOL AND DRY PLACE, PROTECTED FROM LIGHT. WHEN STORED FOR MORE THAN 36 MONTHS, QUALITY SHOULD BE CHECKED BEFORE USE.  
 KEEP BETWEEN 15-30°C

WE BELIEVE THE ABOVE INFORMATION TO BE CORRECT BUT WE DO NOT PRESENT IT AS ALL INCLUSIVE AND AS SUCH SHOULD BE USED AS A GUIDE. IT IS THE SOLE RESPONSIBILITY OF THE RECEIVER OF OUR PRODUCT TO COMPLY WITH EXISTING REGULATIONS AND INSTRUCTIONS.

THIS PRODUCT HAS NOT BEEN FILTERED DUE TO TECHNICAL REASONS. WE RECOMMEND NOT TO USE IT UNLESS FILTERED WHEN USED AS A RAW MATERIAL IN FOOD INTENDED FOR FINAL CONSUMERS.