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## Technical Data Sheet

# Menthol Crystals Natural

**Commodity:** Menthol Crystals Natural

**Other Name:** L-Menthol

**Type:** Isolates

**Botanical Name:** Mentha Arvensis

**CAS#:** 2216-51-5

**FEMA:** 2665

**EINECS:** 218-690-9

**Molecular Formula:** C<sub>10</sub>H<sub>20</sub>O

**Production:** Produce from Menthol Arvensis Oil

**Packing:** 25kg Fiber Drum

### SPECIFICATIONS

<b>Color &amp; Appearance</b>	Colorless, transparent hexagonal or needlelike crystals.
<b>Melting Range</b>	42.0 °C ~ 44.0 °C
<b>Specific Optical Rotation(°) (C=10 95% CH<sub>3</sub>CH<sub>2</sub>OH)</b>	-49.0° ~ -50.0° (25 °C)
<b>Non-volatile residue (% W/W)</b>	NMT 0.05 at 105 °C
<b>Acidity &amp; Alkalinity</b>	5% w/v, Sol, In ethanol (96%) is neutral.
<b>Assay (% W/W)</b>	NLT 99.50% W/W

**Uses:** Menthol crystals are cooling, refreshing, and have a pleasantly strong minty aroma. They are often used in cosmetics, salves, balms, medicated creams, throat lozenges, toothpaste, mouthwash, gum, foot sprays, pain relief or cooling body products, shampoos, conditioners, liniments, shaving creams, oral or throat sprays, compresses, medicated oils, and cooling gels. Menthol crystals are Excellent for use in these products to help relieve muscular aches and pains, coughing, congestion, the flu, and upper respiratory problems.

**Storage:** Keep in cool and dry place.

**Shelf life:** NLT 2 years

**Notes:** Stores well under most conditions, but excessive humidity may cause it to cake up and harden. Exposure to levels of high heat will also cause it to melt.

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