

TECHNICAL DATA SHEET

Methyl Salicylate

I Chemical formula and molecular weight

- Chemical formula:C₈H₈O₃
- Molecular weight:152.15
- CAS No.:119-36-8

II Physical & Chemical Properties

Colourless or light yellow oily liquid, Melting Point-8.6°C,boiling point 223.6°C, relative density 1.1738, refractive index 1.5369, easily soluble in alcohol, acetic acid, soluble in ether, chloroform, slightly soluble in water.

III Quality standard

Appearance:Colorless or pale yellow liquid

Odor:Wintergreen

Identification A:Sample infrared absorption spectrophotometry complies with Methyl salicylate.CRS

Identification B:The retention time of the major peak of the sample solution corresponds to that of the standard solution

Assay: 98.0-100.5%

Salicylic acid:0.1% Max.

Dimethyl 4-hydroxyisophthalate:0.5% Max.

Free Acid:[0.1mol/LNaOH]/5.0g≤0.4ml

Heavy Metals:20 μg/g Max.

Specific Gravity, (at 25°C/25°C):1.180-1.185

Refractive Index,(at 20°C):1.535-1.538

Residual Solvent(Methanol):3000ppm Max.

Optical Rotation:Optically inactive

Solubility in 70% Alcohol:1 volume of synthetic methyl salicylate dissolves in 7 volume of 70% alcohol,the solution having NMT a slight cloudiness

IV Package and storage

- in 25kg grey polyethylene plastic drum
- in 250/240/230kg plastic drum

V Usage

Intermediates of medicine. Also can be used as solvent and intermediate, widely used to manufacture insecticide, perfume, coating, cosmetics, printing ink, etc.