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Certificate of Analysis

| | |
|-------------------------------|---|
| Catalogue Number | 33428 |
| Product | Methyl salicylate EP / USP / NF |
| Lot Number | 002572-003-19-20 2-Hydroxybenzoic acid methyl ester |
| CAS Number | 119-36-8 |
| Molecular Formula | C ₈ H ₈ O ₃ |
| Molecular Weight | 152.15 |
| <hr/> | |
| Appearance | Colorless liquid |
| Appearance of Solution | The solution is clear and not more intensely colored than reference solution Y7 |
| Solubility | Very slightly soluble in water, miscible with ethanol (96%) and with fatty and essential oils. Soluble in alcohol and in glacial acetic acid, slightly soluble in water |
| Odor | Wintergreen |
| Specific Gravity | 1.183 |
| Refractive Index | n _{20D} 1.536 |
| Heavy Metals | < 20 µg/g |
| Acidity | 0.1 mL of 0.1 M sodium hydroxide is required to restore the blue color. |
| Optical Rotation | Inactive |
| Infrared Spectrum | Conforms to structure |
| Related Substances | Limit of Salicylic acid : Not detected Limit of Dimethy-4-hydroxyisophthalate : Not detected |
| Assay by titration | 99.51% |
| Purity by HPLC | 99.35% |
| Grade | EP/USP/NF |
| Storage | Store at RT |

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Additional Information

Taste : Wintergreen
Solubility in 70% alcohol : The solution should have not more than a slight cloudiness
Identification B, D : Passes test
Melting point of the precipitate is 158 °C

Remarks

See material safety data sheet for additional information
For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager