

MENTHA OIL

Quality specifications

Natural Crude Mentha Oil (Arvensis) confirming to the following quality specifications:

- Appearance: Liquid
- Odour: Strong minty with Herbal
- Colour: Light / pale Yellow
- Solubility: Soluble (1:4 to 6 volume in 70% alcohol)
- Liquid Mentha Oil having L- Menthol 68% as per GLC test – packed column (Assay by GLC)
 - Above 68%: Premium of 1:1
 - Between 63% – 68%: Discount 1: 1
 - Below 63% Rejected
- Terpene
 - Basis 7.5%
 - Between 7.5% - 9%: Discount 1:1
 - Above 9%: Rejected
- Menthol Isomers: 6% (maximum)
- Menthyl Acetate: 6.5% (maximum) up to 6% with out discount, 6% to 6.5 % with 1:1 discount)
- Water and solid sediments: 0.65% (maximum)
- Total Menthol contents (TMC): 70% - 79%
- Optical Rotation: -33° to -38°
- Refractive Index: 1.42 – 1.48
(at 25° C)
- Fats and Oils: Negative
- Menthofuran: Negative
- pH: It should be neutral
- Congealing point: 21 to 23 degree C
- Identification: Confirm to BP / USP
- Specific gravity: 0.80 to 0.91
(at 25° C)

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| | <ul style="list-style-type: none">▪ High boilers : Nil▪ GC Temperature<ul style="list-style-type: none">- Detector temperature: 240°- Injector temperature: 240°- Oven temperature : Starting 80°- Temperature rise : 4° per minute▪ It should be free from any admixture such as edible oil, petroleum, mineral oil, sediments, etc.▪ In order to check adulteration, water test, paper test and alkali test will also be conducted, which should confirm to be negative. |
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Note: *The above specifications are subject to change and may vary on contract month basis. Members and their respective constituents are advised to refer the respective applicable circulars issued by the Exchange from time to time*