

## Certificate of Analysis

**Name:** METHYL PARABEN NF/BP

**INCI:** N/A

**Cas No.** 99-76-3

**Country of Origin:** India

**Lot No:** BPCMPNF112022

**Expiry:** November 2027

### Specifications

Characteristic	Specification	Result
Description	Colourless crystals or white crystalline powder/small colorless crystals or white powder.	White powder
Solubility	Freely soluble in ethanol (96%), in alcohol, in ether and in methanol; slightly soluble in boiling water.	Complies
Identification		
A. Melting Point, °C	125°C to 128°C	126.2
B. IR	Pass	Passes
C. TLC	The principle spot in the chromatograms obtained with test solution (b) is similar in position and size to the principle spot n the chromatogram obtained with reference solution (a)	Complies
D. Colour Test	Passes Test	Passes
Appearance of solution/colour of solution	A 10%% w/v solution in ethanol (96%) is clear and not more intensely colored than reference solution BY6/not more intensely colored than matching fluid G.	Complies
Acidity	Not more than 0.1 ml of 0.1M NaOH Solution required to change colour.	0.05 ml of 0.1 M NaOH solution
Related substances by HPLC	Impurity A: NMT 0.5% Unspecified impurity: NMT 0.5% Total impurity: NMT 1.0%	Not detected Not detected Not detected
Residual Solvent. Methanol	Method IV <467> Meets the requirements. (USP/NF) NMT 3000 ppm	180
Sulphated Ash/Residue on ignition	Not more than 0.1%	0.052
Assay by HPLC (as C <sub>9</sub> H <sub>8</sub> O <sub>3</sub> )	98.0 % to 102.0 %	99.56

Keep it away from light, heat & moisture for longer shelf life

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