



## Certificate of Analysis

### Methyl Paraben USP-NF

**Catalog Number:** MP1003  
**Lot Number:** 0409903  
**CAS Number:** 99-76-3  
**Molecular Formula:** C<sub>8</sub>H<sub>8</sub>O<sub>3</sub>  
**Molecular Weight:** 152.15  
**Storage:** 15°C – 30°C  
**Retest Date:** October 13, 2021

| Test                                     | Specification                         | Result   |
|------------------------------------------|---------------------------------------|----------|
| Appearance                               | White to colorless crystalline powder | Conforms |
| Assay                                    | 98.0 – 102.0%                         | 98.47%   |
| Identification (IR)                      | To match reference                    | Conforms |
| Melting Point                            | 125°C – 128°C                         | 127°C    |
| Loss on Drying                           | ≤ 0.5%                                | 0.13%    |
| Solubility (50mg/mL, EtOH)               | Clear & colorless                     | Conforms |
| Acidity                                  | ≤ 0.1                                 | < 0.1    |
| Heavy Metals                             | ≤ 10ppm                               | < 10ppm  |
| Related Substances                       | ≤ 0.5%                                | < 0.5%   |
| Residue on Ignition                      | ≤ 0.1%                                | < 0.1%   |
| Residual Solvents (Methanol)             | ≤ 3,000ppm                            | Conforms |
| Impurity A                               | ≤ 0.5%                                | < 0.5%   |
| Unspecified Impurities                   | ≤ 0.5%                                | < 0.5%   |
| Total Impurities                         | ≤ 1.0%                                | < 1.0%   |
| This lot meets USP40/N35 specifications. |                                       |          |

Approved by:

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