

## Certificate of Analysis

Date of Testing: 2024-12-06 15:47:18

Date of Next Testing: 2028-12-05 15:47:18

Product Name: **Isophthalic acid**

CAS Number: 121-91-5

Specifications & Purity: AR, ≥99%

Lot #: L2403263

SKU #: **I104311**

Version: **0**

Analysis #: **298720**

| Parameter                                                   | Limit Values          | Result                |
|-------------------------------------------------------------|-----------------------|-----------------------|
| Sulfate Ash                                                 | 0-0.0015 (%)          | 0.00 %                |
| Purity(HPLC)                                                | 99-100 (%)            | 99.95400 %            |
| Purity (Titration by NaOH)                                  | 98.5-101.5 (%)        | 99.89 %               |
| Manganese(Mn)                                               | 0-2 (ppm)             | 0.00 ppm              |
| Cobalt(Co)                                                  | 0-1 (ppm)             | 0.00 ppm              |
| m-toluic acid                                               | 0-0.015 (%)           | 0.01 %                |
| 3-carboxy benzaldehyde                                      | 0-0.002 (%)           | 0.00 %                |
| Appearance (I104311)                                        | white powder          | White powder          |
| Solubility in 1 N NaOH , Colorless to Yellow,Clear,50 mg/mL | pass                  | Pass                  |
| Infrared spectrum                                           | Conforms to Structure | Conforms to Structure |



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