

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-20 16:33:20

Date of Next Testing: 2029-12-19 16:33:20

Product Name: **Phthalic acid**

CAS Number: 88-99-3

Specifications & Purity: ACS, ≥99.5%

Lot #: L2517458

SKU #: **P104115**

Version: **3**

Analysis #: **614583**

Storage Temperature: Room temperature

| Parameter                                                              | Limit Values             | Result                   |
|------------------------------------------------------------------------|--------------------------|--------------------------|
| sulfide (S2-)                                                          | 0-0.005 (%)              | 0.00000 %                |
| Ignition Residue                                                       | 0-0.02 (%)               | 0.00000 %                |
| Purity (Titration by NaOH)                                             | 99.5-100.5 (%)           | 100.03000 %              |
| Heavy metals                                                           | 0-0.001 (%)              | 0.00030 %                |
| Iron(Fe)                                                               | 0-0.001 (%)              | 0.00000 %                |
| (NO3)Nitrate                                                           | 0-0.005 (%)              | 0.00000 %                |
| Insoluble matter (4% in 10% Na2CO3)                                    | 0-0.05 (%)               | 0.00000 %                |
| Water by Karl Fischer                                                  | 0-0.5 (%)                | 0.35390 %                |
| Chloride (Cl-)                                                         | 0-0.001 (%)              | 0.00000 %                |
| Appearance (P104115)                                                   | white crystalline powder | white crystalline powder |
| Solubility in MeOH, Colorless to Faint Yellow, Clear to hazy, 100mg/ml | Pass                     | Pass                     |
| Proton NMR spectrum                                                    | Conforms to Structure    | Conforms to Structure    |
| Infrared spectrum                                                      | Conforms to Structure    | Conforms to Structure    |



John Su  
QA & QC Manager