

## Certificate of Analysis

Date of Testing: 2023-11-29 14:58:21

Date of Next Testing: 2027-11-28 14:58:21

Product Name: **Phthalic acid**

CAS Number: 88-99-3

Specifications &amp; Purity: ACS, ≥99.5%

Lot #: K2324215

SKU #: **P104115****Analysis: 294784**

Parameter	Limit Values	Result
sulfide (S <sup>2-</sup> )	0-0.005 (%)	0.00 %
Ignition Residue	0-0.02 (%)	0.00 %
Water by Karl Fischer	0-0.5 (%)	0.10 %
Chloride (Cl <sup>-</sup> )	0-0.001 (%)	0.00 %
Purity (Titration by NaOH)	99.5-100.5 (%)	100.14 %
Heavy metals	0-0.001 (%)	0.00 %
Iron(Fe)	0-0.001 (%)	0.00 %
(NO <sub>3</sub> )Nitrate	0-0.005 (%)	0.00 %
Insoluble matter (4% in 10% Na <sub>2</sub> CO <sub>3</sub> )	0-0.05 (%)	0.00000 %
Appearance (P104115)	white crystalline powder	white crystalline powder
Infrared spectrum	Conforms to Structure	Conforms to Structure

John Su  
QA & QC Manager