

## Certificate of Analysis

Date of Testing: 2022-06-22 17:17:34

Date of Next Testing: 2024-06-11 17:17:34

Product Name: **Phenolphthalein**

CAS Number: 77-09-8

Specifications &amp; Purity: 98%

Lot #: F2220418

SKU #: **P108715****Analysis: 093311**

Parameter	Limit Values	Result
Sulfate(SO42-)	0-200 (ppm)	147.00 ppm
Heavy metal (as Pb)	0-10 (ppm)	0.00 ppm
PHVisualtransition interval	7.8-10	8.20
Purity(HPLC)	98-100 (%)	99.92300 %
Chloride (Cl-)	0-100 (ppm)	51.00 ppm
Sulfate Ash	0-0.1 (%)	0.04 %
Loss on drying	0-0.5 (%)	0.02 %
Melting point	258-263 (°C)	262.32000 °C
Appearance (P108715)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in hot EtOH(95vol%)	almost transparency	almost transparency

John Su  
QA & QC Manager