

Certificate of Analysis

Date of Testing: 2022-11-11 12:40:52

Date of Next Testing: 2024-10-31 12:40:52

Product Name: **Phenolphthalein**

CAS Number: 77-09-8

Specifications & Purity: 98%

Lot #: K2209094

SKU #: **P108715****Analysis: 048264**

Parameter	Limit Values	Result
Sulfate(SO42-)	0-200 (ppm)	52.00 ppm
Heavy metal (as Pb)	0-10 (ppm)	4.82 ppm
PHVisualtransition interval	7.8-10	8.90
Purity(HPLC)	98-100 (%)	99.91700 %
Chloride (Cl-)	0-100 (ppm)	25.00 ppm
Sulfate Ash	0-0.1 (%)	0.00 %
Loss on drying	0-0.5 (%)	0.03 %
Melting point	258-263 (°C)	262.93000 °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