

## Certificate of Analysis

Date of Testing: 2023-05-26 11:14:33  
Date of Next Testing: 2027-05-25 11:14:33  
Product Name: **Phenolphthalin [for redox indicator]**  
CAS Number: 81-90-3  
Specifications & Purity: >98.0%(HPLC)(T)  
Lot #: E2304214  
SKU #: **P160787**  
Analysis: **183993**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.84000%
Purity(Neutralization titration)	98-100 (%)	99.00%
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager