

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-11-10 11:36:34  
Date of Next Testing: 2026-11-09 11:36:34  
Product Name: **Phenolphthalin [for redox indicator]**  
CAS Number: 81-90-3  
Specifications & Purity: >98.0%(HPLC)(T)  
Lot #: K2204984  
SKU #: **P160787**  
Analysis: **145550**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.72200%
Purity(Neutralization titration)	98-100 (%)	99.36%
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager