

## Certificate of Analysis

Date of Testing: 2022-06-02 21:20:57  
Date of Next Testing: 2026-06-01 21:20:57  
Product Name: **p-Phenylenediamine sulfate**  
CAS Number: 16245-77-5  
Specifications & Purity: 98%  
Lot #: E2230044  
SKU #: **P115806**  
**Analysis:** **075654**  
Storage Temperature: Protected from light

Parameter	Limit Values	Result
Purity(Alkali neutralization titration method)	98-100 (%)	99.64%
Ash	0-0.1 (%)	0.06 %
Water by Karl Fischer	0-0.5 (%)	0.25 %
Iron(Fe)	0-25 (ppm)	0.08 ppm
Appearance (P115806)	white to off-white to light purple powder	white to off-white to light purple powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager