

## Certificate of Analysis

Date of Testing: 2022-11-30 19:27:16  
Date of Next Testing: 2025-11-29 19:27:16  
Product Name: **N,N,N',N'-Tetra(p-aminophenyl)-p-phenylenediamine**  
CAS Number: 3283-07-6  
Specifications & Purity: 98%  
Lot #: K2226047  
SKU #: **N303455**  
**Analysis: 114789**  
Storage Temperature: Protected from light, Room temperature, Desiccated

Parameter	Limit Values	Result
Carbon by Elemental Analysis	74.653-76.177 (%)	75.94 %
Nitrogen by Elemental Analysis	17.419-17.775 (%)	17.57 %
Purity(HPLC area)	98-100 (%)	98.69 %
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager