

Certificate of Analysis

Date of Testing: 2024-12-05 11:46:44

Date of Next Testing: 2028-12-04 11:46:44

Product Name: **Pentylene-tetrazole**

CAS Number: 54-95-5

Specifications & Purity: $\geq 98\%$

Lot #: L2403401

SKU #: **P103065**

Version: **1**

Analysis #: **439471**

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	39.2-41 (%)	40.62 %
Carbon by Elemental Analysis	50.6-52.6 (%)	52.03 %
Melting point	59-63 (°C)	60.16000 °C
Purity(GC)	98-100 (%)	98.98 %
Appearance (P103065)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless to Faint Yellow , Clear , 50 mg/ml H ₂ O	pass	Pass



John Su
QA & QC Manager