

## Certificate of Analysis

Date of Testing: 2023-09-15 10:49:57

Date of Next Testing: 2027-09-14 10:49:57

Product Name: **Pentylentetrazole**

CAS Number: 54-95-5

Specifications & Purity: 98%

Lot #: I2312593

SKU #: **P103065**

**Analysis:** **268899**

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

| Parameter                                                                                      | Limit Values                          | Result                                |
|------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------|
| Nitrogen by Elemental Analysis                                                                 | 39.2-41 (%)                           | 40.65 %                               |
| Carbon by Elemental Analysis                                                                   | 50.6-52.6 (%)                         | 52.06 %                               |
| Melting point                                                                                  | 59-63 (°C)                            | 59.30000 °C                           |
| Purity(GC)                                                                                     | 98-100 (%)                            | 99.18 %                               |
| 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 <sub>2</sub> O , Colorless to Faint Yellow , Clear , 50 mg/ml H <sub>2</sub> O | pass                                  | Pass                                  |



John Su  
QA & QC Manager