

Certificate of Analysis

Date of Testing: 2024-10-21 15:51:14
Date of Next Testing: 2028-10-20 15:51:14
Product Name: **N,N,N',N'-Tetramethyl-p-phenylenediamine dihydrochloride(TMPD)**
CAS Number: 637-01-4
Specifications & Purity: $\geq 98\%$
Lot #: L2009177
SKU #: **T106470**
Version: **0**
Analysis #: **424087**
Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

| Parameter | Limit Values | Result |
|---|--------------------------------------|--------------------------------------|
| Purity(HPLC) | 98-100 (%) | 98.03000 % |
| Purity(NonaqueousTitration) | 97.5-102.5 (%) | 98.10 % |
| Appearance (T106470) | Off-White to Grey to Brown Powder | Off-White to Grey to Brown Powder |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in H ₂ O , Colorless to Purple to Brown, Clear to Hazy, 50mg/ml | pass | Pass |



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QA & QC Manager