

Certificate of Analysis

Date of Testing: 2025-05-10 10:47:14
Date of Next Testing: 2029-05-09 10:47:14
Product Name: **3,3',5,5'-Tetramethylbenzidine (TMB)**
CAS Number: 54827-17-7
Specifications & Purity: $\geq 99\%$ (HPLC)
Lot #: E2506386
SKU #: **T100416**
Version: **0**
Analysis #: **490898**
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Melting point	167-171 (°C)	170.32000 °C
Purity(HPLC)	99-100 (%)	99.96600 %
Carbon by Elemental Analysis	79.2-80.7 (%)	80.24 %
Appearance (T100416)	White to Yellow to Beige Powder or Crystals	White to Yellow to Beige Powder or Crystals
Solubility in Ethyl Acetate , Faint Yellow to Dark Yellow, Clear to Hazy, 5%	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager