

## Certificate of Analysis

Date of Testing: 2024-02-20 10:29:40  
Date of Next Testing: 2028-02-19 10:29:40  
Product Name: **3,3',5,5'-Tetramethylbenzidine**  
CAS Number: 54827-17-7  
Specifications & Purity:  $\geq 99\%$ (HPLC)  
Lot #: B2401296  
SKU #: **T100416**  
**Analysis:** **316478**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Melting point	167-171 (°C)	170.60000 °C
Purity(HPLC)	99-100 (%)	99.62500%
Carbon by Elemental Analysis	79.2-80.7 (%)	79.82%
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