

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-08-01 18:16:23  
Date of Next Testing: 2027-07-31 18:16:23  
Product Name: **3,3',5,5'-Tetramethylbenzidine**  
CAS Number: 54827-17-7  
Specifications & Purity:  $\geq 99\%$ (HPLC)  
Lot #: H2301100  
SKU #: **T100416**  
**Analysis: 063316**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Melting point	167-171 (°C)	167.73000 °C
Purity(HPLC)	99-100 (%)	99.66600%
Carbon by Elemental Analysis	79.2-80.7 (%)	80.25 %
Appearance (T100416)	White to Yellow to Beige Powder or Crystals	White to Yellow to Beige Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in Ethyl Acetate , Faint Yellow to Dark Yellow,Clear to Hazy,5%	pass	Pass



John Su  
QA & QC Manager