

## Certificate of Analysis

Date of Testing: 2024-01-17 16:04:15  
Date of Next Testing: 2028-01-16 16:04:15  
Product Name: **L-Leucine benzyl ester p-toluenesulfonate salt**  
CAS Number: 1738-77-8  
Specifications & Purity: 98%  
Lot #: E1611132  
SKU #: **L113139**  
Analysis: **315332**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.60000 %
Melting point	156-160 (°C)	158.40000 °C
Specific Rotation [α] <sub>20</sub> /D(c=2 in DMF)	3-6 (°)	4.06°
Appearance (L113139)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager