

Certificate of Analysis

Date of Testing: 2022-02-18 20:49:40
Date of Next Testing: 2024-02-18 20:49:40
Product Name: **β -Alanine Benzyl Ester p-Toluenesulfonate**
CAS Number: 27019-47-2
Specifications & Purity: $\geq 98.0\%$ (T)
Lot #: D2001163
SKU #: **B133773**
Analysis: 075396
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(Neutralization titration)	97.5-102.5 (%)	98.26 %
Nitrogen by Elemental Analysis	3.7-4.3 (%)	3.85 %
Carbon by Elemental Analysis	56.6-58.5 (%)	58.45 %
Purity(HPLC)	98-100 (%)	99.81800 %
Appearance (B133773)	White Powder, Crystals and/or Chunks	White Powder, Crystals and/or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in EtOH , Colorless Clear,50 mg/ml	pass	Pass



John Su
QA & QC Manager