

Certificate of Analysis

Date of Testing: 2022-11-10 13:46:53
Date of Next Testing: 2024-11-09 13:46:53
Product Name: **Captopril**
CAS Number: 62571-86-2
Specifications & Purity: $\geq 98\%$
Lot #: A2129187
SKU #: **C129108**
Analysis: **153282**
Storage Temperature: Store at -20°C , Argon charged

Parameter	Limit Values	Result
Purity(Potassium iodate Method)	98-100 (%)	98.12 %
Melting point	105-110 ($^{\circ}\text{C}$)	109.02600 $^{\circ}\text{C}$
Carbon by Elemental Analysis	48.7-50.7 (%)	49.96 %
Nitrogen by Elemental Analysis	6.1-6.7 (%)	6.28 %
Purity(HPLC)	98-100 (%)	99.08600 %
Specific Rotation $[\alpha]_{20}^{\text{D}}$ (c=1 in EtOH)	-134--125 ($^{\circ}$)	-129.01 $^{\circ}$
Appearance (C129108)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in EtOH , Colorless,Clear	pass	Pass



John Su
QA & QC Manager