

Certificate of Analysis

Date of Testing: 2023-07-10 11:02:57
Date of Next Testing: 2025-07-09 11:02:57
Product Name: **Captopril**
CAS Number: 62571-86-2
Specifications & Purity: $\geq 98\%$
Lot #: J2114470
SKU #: **C129108**
Analysis: 249138
Storage Temperature: Store at -20°C , Argon charged

Parameter	Limit Values	Result
Purity(Potassium iodate Method)	98-100 (%)	98.96 %
Melting point	105-110 ($^{\circ}\text{C}$)	109.71000 $^{\circ}\text{C}$
Carbon by Elemental Analysis	48.7-50.7 (%)	49.70 %
Nitrogen by Elemental Analysis	6.1-6.7 (%)	6.28 %
Purity(HPLC)	98-100 (%)	98.97200 %
Specific Rotation $[\alpha]_{20}^{\text{D}}$ (c=1 in EtOH)	-134--125 ($^{\circ}$)	-132.61 $^{\circ}$
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