

Certificate of Analysis

Date of Testing: 2022-08-20 13:47:35
Date of Next Testing: 2024-08-19 13:47:35
Product Name: **Captopril**
CAS Number: 62571-86-2
Specifications & Purity: $\geq 98\%$
Lot #: H2217217
SKU #: **C129108**
Version: **0**
Analysis #: **116131**
Storage Temperature: Store at -20°C , Argon charged

Parameter	Limit Values	Result
Purity(Potassium iodate Method)	98-100 (%)	99.36 %
Melting point	105-110 ($^{\circ}\text{C}$)	109.76000 $^{\circ}\text{C}$
Carbon by Elemental Analysis	48.7-50.7 (%)	49.56 %
Nitrogen by Elemental Analysis	6.1-6.7 (%)	6.43 %
Purity(HPLC)	98-100 (%)	99.54600 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH})$	-134--125 ($^{\circ}$)	-127.77 $^{\circ}$
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