

Certificate of Analysis

Date of Testing: 2022-02-17 14:11:02

Date of Next Testing: 2024-02-17 14:11:02

Product Name: **Cefdinir**

CAS Number: 91832-40-5

Specifications & Purity: $\geq 97\%$ (HPLC)

Lot #: B2211358

SKU #: **C129963**

Analysis: **075106**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } 0.1\text{mol/L buffer sol.pH}7.0 \text{ PO}_4)$	-66--58 (°)	-63.77°
Purity(HPLC)	97-100 (%)	97.19000%
UV-vis spectrum E1%(λ_{max} 286-287nm in 0.1M PO ₄ ,PH 7.0)	570-610	579.80
Purity(NonaqueousTitration)	97-100 (%)	97.15%
Appearance (C129963)	White to Light Beige Powder	White to Light Beige Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in 0.1M Phosphate,PH 7.0(10mg/ml)	Colorless to Light Yellow Clear	Colorless to Light Yellow Clear



John Su
QA & QC Manager