

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-02 16:00:48

Date of Next Testing: 2025-08-01 16:00:48

Product Name: **Cefsulodin Sodium Salt Hydrate**

CAS Number: 52152-93-9

Specifications & Purity: $\geq 95\%$ (HPLC)

Lot #: G2326305

SKU #: **C136645**

Version: **0**

Analysis #: **253091**

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	98.22400 %
Water by Karl Fischer	0-10 (%)	4.54700 %
Nitrogen by Elemental Analysis (anhydrous)	9.1-10.6 (%)	9.97700 %
Carbon by Elemental Analysis(anhydrous)	44.7-48.1 (%)	45.56000 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})(\text{calcd. on anhydrous substance})$	16.5-20 (°)	16.98100 °
Appearance (C136645)	Off-White to Light Yellow Powder	Off-White to Light Yellow Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager