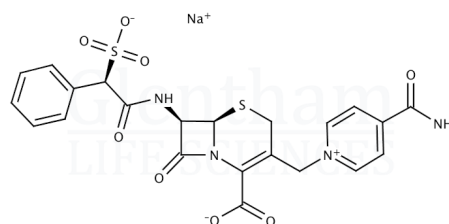


Certificate of Analysis

Product Name	Cefsulodin sodium salt hydrate
Glentham Code	GA1461
CAS Number	52152-93-9
EINECS	257-692-4
MDL Number	MFCD07793338
Additional CAS	41444-66-0 (anhy.)
Additional CAS	62587-73-9 (acid)
PubChem SID	310269509
Batch Number	453TNJ

Molecular Weight	554.53 (anhydrous)
Molecular Formula	$C_{22}H_{19}N_4NaO_8S_2 \cdot xH_2O$
Storage Temp.	+4°C



Property	Specification	Batch 453TNJ
Physical Description	White to light yellow powder	Light yellow powder
Assay	≥ 86.0%	90.2%
pH	3.3 - 4.8	4.6
Specific Optical Rotation	+16.5 - +20.0 °	+18.4°
Water (KF)	≤ 5.0%	5.0%
Isonicotinic acid amide	≤ 1.0%	0.2%
Total Other Impurities	≤ 1.5%	0.8%

Specification Version	v1.0
Manufacture Date	2024-08-20
Re-Test Date	2030-04-16

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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