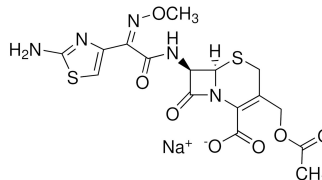


Certificate of Analysis

Product Name : Cefotaxime sodium salt suitable for plant cell culture, BioReagent, powder or crystals
Product Number : C7039-5G
Batch Number : 0000451286
Source Batch : 77546-7769
CAS Number : 64485-93-4
MDL Number : MFCD00079073
Storage Temperature : +2°C to +8°C
Molecular Formula : C₁₆H₁₆N₅NaO₇S₂
Formula Weight : 477.45 g/mol
Recommended Retest Date : Dec 2027
Quality Release Date : 04 May 2025



Test	Specification	Result
Appearance (Form)	Powder or Crystals	Powder
Appearance (Color)	Conforms	Conforms
White or Off-white to pale yellow		
Solubility	Clear	Clear
10% in water		
Infrared spectrum	Conforms to Structure	Conforms
Conforms to Structure		
Assay (Dry Basis)	916 - 964 µg/mg	941 µg/mg
Loss on Drying	≤ 3.0 %	2.0 %
Total Impurity	≤ 3.0 %	1.5 %
Specific Rotation	58 - 64 °	61 °
[α] ₂₀ /D		
Results Provided by Supplier	-----	-----
Plant Cell Culture Test	Pass	Pass
Tested by Releasing Site	-----	-----
Managed by	Recommended Retest Period	Recommended Retest Period
Shelf Life Defined by Supplier	-----	-----
Handled & Packed Under ISO9001	-----	-----

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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Product C7039-5G
Batch 0000451286



Anna Bendersky, Quality Control Manager
Quality Control
Israel
IL

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