C<sub>16</sub>H<sub>16</sub>N₅NaO<sub>7</sub>S<sub>2</sub>

477.45 g/mol

04 May 2025

Dec 2027

3050 Spruce Street, Saint Louis, MO 63103, USA Website: www.sigma-aldrich.com Email USA: techserv@sial.com Outside USA: eurtechserv@sial.com

## **Certificate of Analysis**

Product Name : **Product Number :** Batch Number : Source Batch : CAS Number : MDL Number : Storage Temperature : Molecular Formula : Formula Weight : Recommended Retest Date : Quality Release Date :

Cefotaxime sodium salt suitable for plant cell culture, BioReagent, powder or crystals C7039-5G 0000451286 N~OCH₂ 77546-7769 64485-93-4 MFCD00079073 +2°C to +8°C 0 Na<sup>+</sup> -0

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 °
[a]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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## Sigma-Aldrich

 Product
 C7039-5G

 Batch
 0000451286

Anna Bendersky, Quality Control Manager Quality Control Israel IL

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