

CERTIFICATE OF ANALYSIS

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| Product Description | CEFOTAXIME SOLUTION (100 mg/mL) |
| Product Number | C537 |
| Lot Number | HRY0537010 |
| Storage Temperature | -20°C |
| Molecular Weight | 477.45 g/mol |
| Formula | C ₁₆ H ₁₆ N ₅ O ₇ S ₂ Na |
| CAS Number | 64485-93-4 |

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|-------------------------|---------------------|----------------|
| Solubility | Miscible with Water | Passes |
| pH | Under Development | 5.2 |
| Physical Appearance | | |
| Color | 2020-50 to 2024-50 | 2024-50 Yellow |
| Texture | 2021-20 to 2021-50 | |
| | Clear Liquid | Clear Liquid |
| Insolubles | Under Development | Passes-None |
| Sterility | Sterile | Passes |
| Potency of Raw Material | Minimum 916 µg/mg | 948.2 µg/mg |
| FTIR | β-lactam content | Passes |

Biological Testing:

Test Concentration: 0.50 mL (50 mg)/L

| TEST SPECIFICATION | PLANT CELL LINE | RESULTS |
|--|-----------------|---------|
| This product does not typically promote growth; tissue necrosis or death is possible. This product is tested with two or more clean plant cell lines with no bioburden. | Ajuga | Passes |
| | Tobacco Callus | Passes |

The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.

Date of Release: 2-December-2021

Recommended Shelf Life Date: December 2026



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