

CERTIFICATE OF ANALYSIS

Product Description CEPHALEXIN
Product Number C1970
Lot Number HRT1970007
Molecular Weight 347.4 (anhydrous basis)
Formula $C_{16}H_{17}N_3O_4S$
CAS Number 15686-71-2
Storage Temperature 2-8°C

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 2 mg/mL	Passes
Physical Appearance Color*	2018-70 to 2027-70, 2143-70 to 2155-70, PM-1 to PM-4, PM-13, or PM-19	2024-70 Off White
Texture	Fine to Crystalline Powder	Fine to Crystalline Powder
Solution Appearance Color Clarity	Under Development Clear	Colorless Clear
Insolubles	None	Passes
Potency	Minimum 950 µg/mg	995 µg/mg
FTIR	Conforms to Structure	Passes
Water Content	For Information Only	6.10%

* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

The material described in this certificate is synthetic in nature. 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: 24-November-2025

Recommended Shelf-Life Date: November 2030

Prepared by: 

Alex Lambert

Lead Quality Control Laboratory Technician