

# CERTIFICATE OF ANALYSIS

Product Description CEPHALEXIN  
Product Number C1970  
Lot Number HYX1970003  
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 0.3N KOH @ 100mg/mL	Passes
Physical Appearance Color* Texture	Under Development Fine to Crystalline Powder	2024-70 Pale Yellow Fine Powder
Solution Appearance Color Clarity	Under Development Clear	Yellow Clear
Average Time to Dissolve	Under Development	Within 10 minutes
Insolubles	None	None
Potency	Minimum 950 µg/mg	981 µg/mg
FTIR	Conforms to Structure	Passes
Water Content	For Information Only	5.20%

\* 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: 20-January-2022

Recommended Shelf Life Date: January 2027



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