

CERTIFICATE OF ANALYSIS

Product Description CEPHALEXIN
Product Number C1970
Lot Number 13J1970001
Molecular Weight 347.4 (anhydrous basis)
Formula C₁₆H₁₇N₃O₄S
CAS Number 15686-71-2
Storage Temperature Room Temperature

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in 0.1N KOH @ 50mg/mL	Passes
Physical Appearance Color* Texture	Under Development Fine to Crystalline Powder	RM-1 Off White Crystalline Powder
Solution Appearance Color Clarity	Under Development Clear	Colorless Clear
Average Time to Dissolve	Under Development	Within 2 minutes
Insolubles	None	Passes
Potency	Minimum 950 µg/mg	992 µg/mg
FTIR	Conforms to Structure	Passes
Water Content	For Information Only	5.30%

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

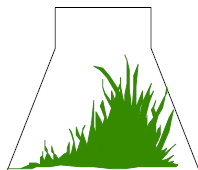
The material described in this certificate is synthetic in nature. No animal- or plant-derived components were used in the manufacture of this product.

PhytoTechnology Laboratories® provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTechnology Laboratories® 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.

Recommended Shelf Life Date: September 2021



Gary Seckinger, Ph.D.



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