

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	01592
Lot Number	002197-230410
Product	Cephalexin hydrate Cephalin monohydrate
CAS Number	15686-71-2, 23325-78-2
Molecular Formula	C ₁₆ H ₁₇ N ₃ O ₄ S•H ₂ O
Molecular Weight	365.4

Appearance	White to almost white crystalline powder
Solubility	Passes test
Crystallinity	Passes test
Water Content (Karl Fisher)	5.7%
pH	5
Optical Rotation	[α] _D ²⁰ = 153.6 °
Residual Solvents	Acetone : 0.01% Dichloromethane : 0.0005% 2-Naphthol : 0.03%
Related Substances	7-ADCA : 0.0% α-Phenylglycine : 0.03% Any other impurities : 0.09% Total impurities : 0.18%
Residue On Ignition	0.08%
Assay	99.4%
Potency (Anhydrous Basis)	994 µg/mg
Grade	Meets USP specification
Storage	Store at 0 - 8 °C
Additional Information	Identification : Test A : Infrared spectrum : Conforms to structure Test B : Passes test

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager