

CEPHALEXIN MONOHYDRATE FINE POWDER

Description	White to off-white crystalline powder
Solubility	Slightly soluble in water; practically insoluble in alcohol, in chloroform and in ether
Specific optical rotation	+149° to +158°
pH	3.0 - 5.5
Water content	4.0 - 8.0%
Assay	98.0 - 101.0%
Each of impurities	N.M.T 1.0%
Total impurities	N.M.T 3.0%
N,N-Dimethyl aniline	N.D
Packaging:	25 kg in double polyethylene bags in each carton box.
Storage	Preserve in tight container store below 30°C and dry place
Shelf Life	36 months

The Referred Material Complies With BP & USP

General Properties

IUPAC Name

(6*R*,7*R*)-7-[[*(2R)*-2-Amino-2-phenylacetyl] amino]-3-methyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid monohydrate

Molecular Weight: 365.41

Molecular Formula: C₁₆H₁₇N₃O₄S. H₂O

Cas registry NO.: 23325 – 78-2

Indication

Semi- synthetic broad spectrum cephalosporin

Structure

