

AMPICILLIN TRIHYDRATE FINE POWDER

Description	White or almost white crystalline powder
Solubility	sparingly soluble in water
Specific optical rotation	+280 ° to +305 °
pH	3.5 - 5.5
Water content	12.0 – 15.0 %
Bulk density	N.L.T 0.5 g/ml
Tapped density	N.L.T 0.6 g/ml
Sulphated Ash.	N.M.T 0.5%
Assay	98.0% - 100.0%
Each of Impurities	N.M.T 1.0%
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	24 months

The Referred Material Complies With BP & USP

General Properties

IUPAC Name

(2S,5R,6R)-6-[[[(2R)-2-Amino-2-phenylacetyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid

Molecular Weight: 403.46

Molecular Formula: C₁₆ H₁₉ N₃ O₄ S. 3H₂O

Cas registry NO. 7177-48-2

Indication

Semi - synthetic broad spectrum Penicillin

Structure

