



**CERTIFICATE OF ANALYSIS  
PEMETREXED DISODIUM**

Test Items	Standard	Test Results
Character	Almost-White Or Light Yellow Unfixed Powder, Smell-Less, Hygroscopic Freely.	Light Yellow Unfixed Powder, Smell-Less, Hygroscopic Freely.
Solubility	Soluble In Water Very Freely, In Ethanol Or Chloroform Or Ethyl Ether Hardly.	Conforms
Specific Optical Rotation	+10° – +13°	+11°
Identification	(1)The Product Appears Flame Reaction Of Sodium Salt.  (2)IR:Meet The Requirements.	Conforms  Meet The Requirements.
Water	7.2% – 10.2%	9.3%
Clarity And Color Of Solution	Meet The Requirements.	Conforms
Related Substance	Max Single Impurity ≤ 0.5%	0.22%
	Total Impurity ≤ 1.0%	0.75%
Heavy Metal	<20ppm	Conforms
Ethanol	≤ 0.500%	0.006%
Dichloroethane	≤ 0.060%	0.003%
Acetic Ether	≤ 0.500%	0.001%
N,N-Dimethylformamide	≤ 0.088%	0.005%
Assay	Not Less Than 98.50%, Calculated On The Anhydrous Basis.	99.20%