



HANGZHOU THINK CHEMICAL CO., LTD.

[Http://www.thinkchem.com](http://www.thinkchem.com) E-mail: sales@thinkchem.com

SPECIFICATION AND METHOD OF ANALYSIS		
SPEC No. : S-RM/216-02-02		
Supersedes : S-RM/216-02-01		
Department: Quality Control	Page No. 3 of 24	
TITLE: 3-(2-CHLOROETHYL)-9-HYDROXY-2-METHYL-6,7,8,9-TETRAHYDRO-4H-PYRIDO[1,2-A]PYRIMIDIN-4-ONE (CMHTP)		
REFERENCE: ADVENTUS		
SPECIFICATION		
S. NO.	TESTS	SPECIFICATION
1.0	Characteristics	
	1.1) Appearance	Off white to yellow to grey color powder.
	1.2) Solubility	Soluble in Methanol and slightly soluble in water.
2.0	Identification by	
	2.1) IR	IR spectrum of the test sample should be concordant with that of the standard spectrum.
	2.2) HPLC	The retention time of the major peak in the chromatogram of the test preparation in assay test should correspond with that of the major peak in the chromatogram of the standard preparation in assay test.
3.0	Loss on drying (at 60°C under vacuum for 3 hrs.)	Not more than 1.0 % w/w
4.0	Sulfated ash	Not more than 0.5 % w/w
5.0	Assay by HPLC (On dried basis)	97.0 % to 101.0 % w/w
6.0	Chromatographic Purity and Related Substances (by HPLC)	
	6.1) Chromatographic Purity	Not less than 97.0 %
	6.2) Related Substances	
	6.2.1) *Impurity 1	Not more than 0.5 %
	6.2.2) *Impurity 4	Not more than 0.5 %