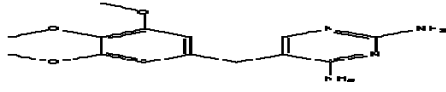




CERTIFICATE OF ANALYSIS

NO: DYC021402082

Product name	Trimethoprim, BP2012
CAS Number	738-70-5
Molecule Structure	
Molecule Formula	C ₁₄ H ₁₈ N ₄ O ₃
Batch number	20131109
Manuf.&Exp Date	2013-11-09,2018-11-08
Testing date	2013-11-09

Items	Standard	Result
Appearance	White or yellowish-white powder	Complies
Solubility	Very slightly soluble in water, slightly soluble in alcohol.	Complies
•Identification A: Melting point B: Specific absorbance C: IR-spectrum D: Chemical reaction	199-203°C Max.287nm: 240-250 Complies with reference spectrum Green fluorescence at 365nm	199.5.0-200.6°C 246 Complies Complies
Appearance of solution	Not more intensely colored than Reference Solution BY7	Complies
Related substances Method A by HPLC	Impurity F≤0.1% Any single impurity≤0.1% Total impurities≤0.2%	0.02% <0.1% <0.2%
Method B by HPLC	Any single impurity≤0.1% Total impurities≤0.2%	<0.1% <0.2%
Heavy metals	≤20ppm	Complies
Residual methanol	≤3000ppm	Not detected
Residual DMSO	≤5000ppm	Not detected
Residual acetic acid	≤5000ppm	Not detected
Impurity K(aniline) by GC	≤5ppm	Not detected
Loss on drying	≤1.0%	0.21%
Sulphated ash	≤0.1%	0.08%
Assay	98.5-101.0%	99.89%
Conclusion	The products complies with EP7/BP2012.	

Hangzhou Dingyan Chem Co., Ltd.
QUALITY CONTROL: Xuefen Chen
Quality Control

CHECK: 姚仙娟

INSPECTOR: 刘清风