



山东新华制药股份有限公司
Shandong Xinhua Pharmaceutical Co., Ltd
No. 1, Lutai Road, High-tech District, Zibo, Shandong, P.R.China

Specification of Caffeine

Reference Standard: BP/EP/USP

Date: Jan 21, 2020

Items	Specification
Appearance	White crystalline powder
Identification	Complies
Melting point (°C)	234-239
Appearance of solution	Clear and colorless
Acidity	Conform
Chromatographic purity:	
Single impurity (%)	≤0.10
Total impurities (%)	≤0.1
Sulphate (ppm)	≤500
Heavy metals (on Pb basis, %)	≤0.001
Loss on drying (%)	≤0.5
Residue on ignition (%)	≤0.1
Sulphate Ash (%)	≤0.1
Assay (%)	98.5-101.5
Residual solvents (Chloroform, ppm)	≤60
HPLC assay (%)	98.5-101.0

Shelf life: 4 years



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