

Items		Specification	Results
BP20 12	Appearance	A white or almost white, crystalline powder or small , colorless crystals	White crystalline powder
	Identification	Meet the requirements	Comply
	Appearance of solution	Clear, not more intense than Y7 or GY7	Comply
	pH	2.7-3.3	3.0
	Water	≤ 5.0%	1.60%
	Sulphated ash	≤ 0.1%	0.06%
	Heavy metals	≤ 20ppm	<10ppm
	Sulphates	≤ 300ppm	Comply
	Any impurity	≤0.40 %	0.13%
	Total impurities	≤1.0%	0.41%
Assay	98.0%-101.0%	99.4%	
USP3 4	Identification	Meet the requirements	Comply
	pH	2.7-3.4	3.0
	Water	≤ 5.0%	1.60%
	Residue on ignition	≤ 0.2%	0.06%
	Absorbance of solution	≤ 0.025%	Comply
	Limit of nitrate	Meet the requirement	Comply
	Chromatographic purity	Meet the requirement	Comply
	Residual solvent Methanol Ethanol	≤ 0.3% ≤ 0.5%	Not detected 0.03%
Assay	98.0%-102.0%	99.4%	
Conclusion: All the results conform to the BP2012 and USP34.			