

Test Items	Specifications	Results	Test Methods
Appearance	White crystals or crystalline powder	White crystals	Visual observation
Identification	HPLC retention time correspond to WRS	Conforms	HPLC
Specific rotation $[\alpha]_D^{20}$	-14.5°~-15.5°	-15.1°	USP<781>
Transmittance	≥95.0%	99.0%	In house
Chloride(Cl)	≤0.020%	< 0.020%	USP<221>
Ammonium(NH ₄)	≤0.020%	< 0.020%	In house
Sulfate(SO ₄)	≤0.020%	< 0.020%	USP<221>
Iron(Fe)	≤10ppm	< 10ppm	USP<241>
Heavy metals(Pb)	≤10ppm	< 10ppm	USP<231>
Arsenic(As ₂ O ₃)	≤1ppm	< 1ppm	USP<211>
Lead(Pb)	≤3ppm	< 3ppm	USP<251>
Mercury(Hg)	≤0.1ppm	< 0.1ppm	USP<261>
Cadmium(Cd)	≤1ppm	< 1ppm	GB/T.5009.15-2003
Loss on drying	≤0.20%	0.14%	USP<731>
Residue on ignition	≤0.1%	0.07%	USP<281>
pH	5.2~6.2	5.77	USP<791>
Chiral impurity	≤0.50%	Not detected	HPLC
Assay	99.0~101.0%	99.89%	Titration

Conclusion:

The Product Conforms to In-house standard.

Storage: Store in tight containers at controlled room temperature.