



SHANDONG TIANLI PHARMACEUTICAL CO., LTD.

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ASCORBIC ACID SPECIFICATIONS

Items	Standard
Appearance	White crystalline powder
Identification	Positive
Clarity of solution	Clear
Color of solution	≤BY ₇
Assay	99.0~100.5%
Loss on Drying	≤0.4%
Residue on ignition	≤0.1%
Sulphate Ash	≤0.1%
Specific rotation	+20.5°~ +21.5°
pH(with 2% water solution)	2.4-2.8
PH(with 5% water solution)	2.1-2.6
Melting range	About 190°C
Heavy metals	≤3ppm
Iron	≤2ppm
Copper	≤5ppm
Impurity E	≤0.2%
Arsenic	≤1ppm
Lead	≤2ppm
Cadmium	≤1ppm
Mercury	≤1ppm
Organic volatile impurities	Meets the requirements
Related Substances	ImpurityC≤0.15% ImpurityD≤0.15% Any Other Unspecific Impurities Impurity≤0.10% Total Impurity≤0.2%
Total Plate Count	≤1,000cfu/g
Tapped density	>0.9g/ml
Bulk density	>0.8g/ml
Shelf life	3 years

According to BP2013, E300, USP36, FCC8, EP 7.

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Tester: Li Jianting

Checked by: Mu Yonghua

Approved by: Luan Shaohua
 GENERAL MANAGER