



# SHANDONG TIANLI PHARMACEUTICAL CO., LTD.

Chenming Industrial Park, Shouguang, Shandong, China

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Tianli 天力

## Product Information

Product Name: Ascorbic Acid

Items	Standard
Appearance	White crystalline powder
Identification	Positive
Clarity of solution	Clear
Color of solution	≤BY <sub>7</sub>
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	≤2ppm
*Impurity E	≤0.2%
*Arsenic	≤1ppm
*Lead	≤2ppm
*Cadmium	≤1ppm
*Mercury	≤0.1ppm
*Organic volatile impurities	Methanol ≤3000ppm
*Related Substances	Impurity C≤0.15% Impurity D≤0.15% Any Other Unspecific Impurities Impurity≤0.10% Total Impurity≤0.2%
*Total Plate Count	≤1,000cfu/g
Shelf life	36 months
Storage condition	Store in tight, light-resistant containers in a dry area and at room temperature

According to BP2016, E300, USP39, FCC 10, EP 8.

\*These items are periodic analyses.

### Additional information

Shandong Tianli Pharmaceutical Co., Ltd. Chenming Industrial Park, Shouguang, Shandong Province, China	Tel: 0086-536-2238606 Fax: 0086-536-2238639
Version:10002-1	

SHANDONG TIANLI  
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July 3, 2019

Quality Control Manager

Date

QA  
PASS