



# SHANDONG TIANLI PHARMACEUTICAL CO., LTD.

Chenming Industrial Park, Shouguang, Shandong Province, China

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## CERTIFICATE OF ANALYSIS

Product Name: Calcium Ascorbate  
Batch No.: 032011904  
Date of Manufacture: Nov. 07, 2020

Quantity: 3.2MT  
Date of Certificate: Nov. 10, 2020  
Date of Expiry: Feb. 06, 2023

Items	Standard	Results
Appearance	White to slightly yellow crystalline powder	White to slightly yellow crystalline powder
Identification	Positive	Positive
Assay	98.0~100.5%	99.5%
Loss on Drying	≤0.10%	0.04%
Specific rotation	+95°~ +97°	+96.1°
pH(10% W/V)	6.8-7.4	7.3
Heavy metals	≤10ppm	<10ppm
*Arsenic	≤1ppm	<1ppm
*Lead	≤1ppm	<1ppm
*Cadmium	≤1ppm	<1ppm
*Mercury	≤0.1ppm	<0.1ppm
*Limit of Fluoride	≤10ppm	<10ppm
*Residual Solvents (as Methanol)	≤3000ppm	<3000ppm
*Total Plate Count (cfu/g)	≤1000	<1000
*Yeast & Moulds(cfu/g)	≤100	<100
According to USP 42/FCC/E302		

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Tester: Li Jianting

Checked by: Mu Yonghua

Approved by: Luan Shaohua

\*These items are periodic analyses.

QA  
PASS