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石药集团 维生药业 (石家庄) 有限公司
CSPC WEISHENG PHARMACEUTICAL (SHIJIAZHUANG) CO., LTD.



Certificate of Analysis

COA NO.: 21071309

Product: Ascorbic Acid

Analysis Standard: BP/USP/FCC/EP/E300

Batch Number: 1210720026

Quantity: 2000kg

Manufacture Date: Jul. 6, 2021

Expiry Date: Jul. 5, 2024

Analysis contents	Analysis standard	Results
Characteristics	White or almost white crystalline powder or colourless crystals	Pass
*Solubility	Freely soluble in water, slightly soluble in ethanol, insoluble in chloroform	Pass
Identification A	Positive reaction	Pass
*Identification B	IR	Pass
Melting point	About 190°C	190°C
Specific rotation	+20.5°~+21.5°	+21.0°
pH (5%, W/V)	2.1~2.6	2.3
*pH (2%, W/V)	2.4~2.8	Pass
*Loss on drying	≤0.1%	Pass
Residue on ignition	≤0.1%	<0.1%
Assay	99.0%~100.5%	99.7%
Clarity of solution	Clear	Pass
Color of solution	≤BY ₇	<BY ₇
*Impurity E	≤0.2%	<0.2%
*Impurity C	≤0.15%	<0.15%
*Impurity D	≤0.15%	<0.15%
*Unspecified impurities	≤0.10%	<0.10%
*Total of impurities other than C and D	≤0.2%	<0.2%
*Heavy metal	≤10ppm	<10ppm
*Copper	≤5ppm	<5ppm
*Iron	≤2ppm	<2ppm
*Cadmium(ICP-MS)	≤1ppm	<1ppm
*Mercury(ICP-MS)	≤1ppm	<1ppm
*Lead(ICP-MS)	≤1ppm	<1ppm
*Arsenic(ICP-MS)	≤1ppm	<1ppm
*Total Plate Count	≤1000cfu/g	<1000cfu/g
*Yeast and Molds	≤100cfu/g	<100cfu/g
*Escherichia coli	Negative	Pass
*Salmonella	Negative	Pass
*Staphylococcus Aureus	Negative	Pass
*Residual solvents	Meets requirement	Pass

Conclusion: The above product conforms with BP/USP/FCC/EP/E300 standard.

QC

Rechecker

Writer

Manufacturer: CSPC Weisheng Pharmaceutical (Shijiazhuang) Co., Ltd.

ADD: NO.236 Huanghe Street High-Tech Industrial Development Zone, Shijiazhuang City, Hebei Province, China

* These items as below are sample test.



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Address: No. 236 Huanghe Road, Shijiazhuang, Hebei, 050035 China

STATEMENT

July.16th, 2021

To whom it may concern,

We, CSPC WEISHENG PHARMACEUTICAL (SHIJIAZHUANG) CO., LTD ,

hereby to certify that, the name and batch numbers of the goods we

supplied are as follows:

Ascorbic Acid is NLT50% pass through 40mesh and remain on 80mesh:

1210720018、1210720019、1210720020、1210720021、1210720022、1210720023、
1210720024、1210720025、1210720026、1210720027、1210720028

The COA version we are currently implementing is BP2021/USP 43/FCC11/EP10

/E300: 1210720018、1210720019、1210720020、1210720021、1210720022、
1210720023、1210720024、1210720025、1210720026、1210720027、1210720028

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July.16th, 2021

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张 铮
GENERAL MANAGER