



LUWEI PHARMACEUTICAL GROUP CO.,LTD

Add: Shuangfeng Industrial Park Zichuan district Zibo Shandong China

SPECIFICATION SHEET OF ASCORBIC ACID

Date: 30 AUG 2024

Product Name : L-Ascorbic Acid, Ascorbic acid

Chemical Formula: $C_6H_8O_6$

Molecular Weight 176.13

CAS: 50-81-7

Analysis Standard: BP2020/USP43/E300/EP9.8/FCC11

Appearance: White or almost White Crystals Crystalline Powder

Identification: Positive Reaction

Storage: In tightly sealed containers, free from contact with metal and protected from light.

Avoid exposure to high temperature and humidity

Packing: 25kg/Carton

Shelf life: 3 Years

PH (2% solution in water)

2.4-2.8

PH (5% solution in water)

2.1-2.6

Clarity of Solution:

Clear

Color of Solution:

$\leq BY_7$

Melting Point

About 190 °C

Copper

$\leq 5ppm$

Heavy Metals

$\leq 10ppm$

Mercury

$\leq 0.1mg/kg$

Lead

$\leq 2ppm$

Arsenic

$\leq 3ppm$

Oxalic Acid

$\leq 0.2\%$

Iron

$\leq 2ppm$

Cadmium(Cd)

$< 1mg/kg$

Impurity E

$\leq 0.2\%$

Loss On Drying

$\leq 0.4\%$

Sulphate Ash (Residue On Ignition)

$\leq 0.1\%$

Specific Optical Rotation

$+20.5^{\circ} - +21.5^{\circ}$

Residual Solvents

Pass

Assay(As VC)

99.0%-100.5%

For and on behalf of
鲁维制药集团有限公司
LUWEI PHARMACEUTICAL GROUP CO., LTD

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Authorized Signiture(S)