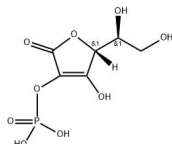




TECHNICAL DATA SHEET

Product	Sodium L-ascorbyl-2-phosphate
Chemical Name	Vitamin C sodium phosphate
CAS	66170-10-3
Chemical Formula	C ₆ H ₁₀ NaO ₉ P
Molecular Weight	280.1
EINECS Number	1308068-626-2
Molecular structure	



SPECIFICATION:

ITEM	STANDARD LIMITS
Appearance	White to faintly fawn powder
Odour	Odourless
Purity (HPLC) %	≥95
Vitamin C % VC	≥ 45
Solubility% (10% aqueous)	Clear and almost colorless
Identification	By IR
pH (3% aqueous solution)	9.00 -10.00
Water %	≤ 11
As ppm	≤ 2
Co ppm	≤ 1
Cr ppm	≤ 1
Hg ppm	≤ 1
Ni ppm	≤ 1
Pb ppm	≤ 5
Heavy Metals ppm (Pb)	≤ 20

Packaging:

25kgs sealed polyethylene bags or 25kgs sealed polyethylene bags in fiber drum.

Application:

- 1) Used in scientific research reagents, widely used in molecular biology, pharmacology and other scientific research, and is strictly prohibited to be used in human body.
- 2) It is used for biocatalysis dephosphorylation, power generation and electrochemical detection.
- 3) It can be used in cell differentiation and tissue engineering. Asc-2p is used in the study of gene inhibition, such as the inhibition of Dickkopf-1 expression induced by dihydrotestosterone.
- 4) It can be used as the catalytic substrate of alkaline phosphatase. Alkaline phosphatase (ALP) is an important biomarker. Its abnormal expression is related to many diseases, such as breast cancer, prostate cancer, bone disease, diabetes and liver dysfunction. It can also be used for the preparation of a photoelectric chemical parathion sensor.

Shelf Life:

2 years in original packaging containers.