



## TECHNICAL DATA SHEET

1899-TDS-ENG-2024

VITAMINA C (ACIDO ASCORBICO) (EUR. PH.)		
DESCRIPTION DCI: ---	DESCRIPTION DOE: ---	
CAS Nº: 50-81-7	EC Nº: 200-066-2	AEMPS CODE: ---
MOL. WEIGHT: 176,12	MOL. FORMULA: C <sub>6</sub> H <sub>8</sub> O <sub>6</sub>	ARTICLE CODE: 1899

ATTRIBUTES	SHOULD BE
Appearance	White or almost white, crystalline powder or colourless crystals, becoming discoloured on exposure to air and moisture
Solubility	Freely soluble in water, sparingly soluble in ethanol (96 %)
Melting point	abput 190 °C, with decomposition
Identification B	Complies
Identification C	Complies
pH	2.1 - 2.6
Appearance of solution	Clear and not more intensely coloured than ref. sol. BY7
Specific optical rotation	+20.5 / +21.5
Impurity E	=< 0.2 %
Related substances	
Impurity C	=< 0.15 %
Impurity D	=< 0.15 %
Unspecified impurities	=< 0.10 %
Total impurities (other than C and D)	=< 0.2 %
Copper	=< 5 ppm
Iron	=< 2 ppm
Sulfated ash	=< 0.1 %
Assay	99.0 - 100.5 %

### COMPLIES WITH

European Pharmacopoeia 11.2

### STORAGE

Keep the container tightly closed, protected from light, in a dry place and at room temperature.

### REMARKS

Ascorbic Acid is subjected to the requirements of the ICH Q3D "Elemental Impurities" guideline and the requirements of guides EMA/CHMP/ICH/82260/2006.

The product is not of animal origin and no animal product is used in its production, so it is risk-free BSE/TSE.

The product is not derived from GMO. No genetically modified organism is used in its production and no GMO product comes in contact with the product during any stage of production.