

## TECHNICAL DATA SHEET

Effective date: 04.2019

### Vitamin C Ascorbic

#### INFORMATION ON SUBSTANCE / MIXTURE

INCI	Ascorbic acid
Manufacturing process	-

#### TECHNICAL DATA

##### Physical parameters

Appearance	Solid, crystalline powder
Color	White or almost white
Odor	Characteristic
Solubility	Soluble in water
Identification	IR: Complies ; CA: Positive
Melting point	Approx. 190 °C
Specific rotation	+20.5 ° ~ +21.5 °
Acidity (pH)	2.1 ~ 2.6 (5% aqueous solution) 2.4 ~ 2.8 (2% aqueous solution)
Assay	99.0 % ~ 100.5 %
Loss on Drying	≤ 0.40 %
Clarity of Solution	Clear
Color of Solution	≤ BY7
Particle-Size	≤ 30% more than 40 mesh ≥ 45% between 40 and 80 mesh

##### Chemical parameters

Chemical formula	C <sub>6</sub> H <sub>8</sub> O <sub>6</sub>
Molar mass	176.1 g/mol
Oxalic acid (Impurity E)	≤ 0.2 %

##### Contaminants

Impurity C, D	≤ 0.15 %
Unspecified impurities	≤ 0.10 %

## TECHNICAL DATA SHEET

Effective date: 04.2019

### Vitamin C Ascorbic

Total Impurities other than C, D	≤ 0.2 %
Heavy metals	≤ 10 ppm
Copper	≤ 5 ppm
Iron	≤ 2 ppm
Lead	≤ 2 ppm
Mercury	≤ 1 ppm
Sulphated ash	≤ 0.1 %
Residual solvents: Methanol	≤ 0.3 %

### TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Store in a non-metallic containers, protected from light
Shelf Life	36 months, in closed packaging and the recommended conditions.
Custom tariff	-

### LEGISLATION

Certification	-
EINECS	-
CAS	50-81-7
REACH pre-registration no.	-

### DISCLAIMER

All warranty claims in respect to the conformity of our product are subject to our General Terms and Conditions of Sale and Delivery. The data listed above reflects the results of the manufacturer or our supplier quality tests. We do not hereby make any express or implied warranty, whether for specific properties or for fitness for any particular application or purpose. All values are valid for the product when dispatched from the works. We recommend you perform your own quality and or identification checks on receipt.