

TECHNICAL DATA SHEET

Effective date: 04.2019
Rev.1

Vitamin C MAP

INFORMATION ON SUBSTANCE / MIXTURE

INCI	Magnesium ascorbyl phosphate
Chemical formula	$C_6H_7MgO_9P$
Description	A stable derivative of Vitamin C
Molecular weight	278.39

TECHNICAL DATA

Physical parameters

Appearance	Solid, powder
Color	White or pale yellowish-white
Odor	Characteristic, acidic
Specific rotation at 20°C	[+44 ; +50]°
Solubility in water at 25°C	8 g/100ml
pH	7.0 – 8.5

Chemical parameters

Assay	≥ 95.0
Water	< 29.0
Free Vc	< 0.5 %
Free H_3PO_4	< 1.0 %
Derivatives of ascorbic acid	≤ 3.5 %
Ketogulonic acid and it's derivatives	≤ 2.5 %
Cl	< 0.35 %
Heavy metals	< 20 ppm
As	< 2 ppm

Biological parameters

Total microbial count	< 100 cfu/g
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TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Store in closed containers, keep dry and avoid humidity
Shelf Life	36 months, in closed packaging under the recommended conditions.
Custom tariff	-

LEGISLATION

Certification	-
EINECS	601-239-9
CAS	113170-55-1

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