

CERTIFICATE OF ANALYSIS

Product Name	Magnesium ascorbyl phosphate		
CAS NO.	113170-55-1		
Molecular Weight	759.22	Molecular Formula	C ₁₂ H ₁₂ O ₁₈ P ₂ Mg ₃ ·10H ₂ O
Batch Number	20220122	Manufacture Date	20220122
Report Date	20220122	Expiry Date	20240121

Item of Analysis	Specification	Results
Asaay	≥98.5%	99.22%
Organoleptic		
Appearance	Powder	Conforms
Color	White or yellowish powder or granule	White powder
Physical Characteristics		
pH	7.0-8.5	7.57
Identification	Positive	Conforms
Clarity	Clear	Clear
Color of solution	≤70APHA	<70APHA
Free VC	≤ 0.5%	<0.5%
KETOGULONIC ACID AND IT'S DERIVATIVES	≥45.0%	47.0%
Derivatives of ascorbic acid	≤ 3.5%	<3.5%
Water	≤ 29%	9.25%
SPECIFIC ROTATION	<+44° ~+50°	Conforms
Heavy metals		
Heavy metals	≤20ppm	<20ppm
Lead (Pb)	≤5 ppm	Conforms
Arsenic (As)	≤2 ppm	Conforms
Cr	≤1 ppm	Conforms
Co	≤1 ppm	Conforms
Mercury (Hg)	≤1 ppm	Conforms
Ni	≤1 ppm	Conforms
Free Phosphonic Acid	≤1%	<1%
Chloide	≤0.035%	<0.035%
Microbiological Tests		
Count of Bacteria	1000cfu/g Max	Conforms
Yeast & Mold	100cfu/g Max	Conforms
Salmonella enteriditis	Negative	Negative

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Shigella	Negative	Negative
Staphylococcus aureus	Negative	Negative
Beta Hemolyticstreptococcus	Negative	Negative

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.

