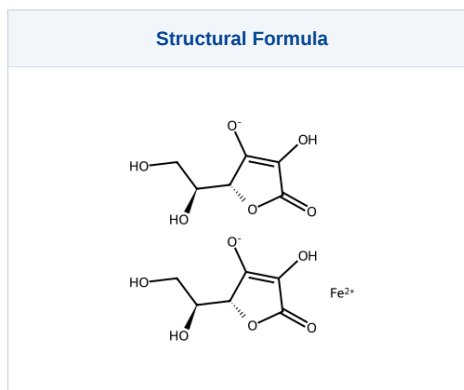


CERTIFICATE OF ANALYSIS

Standard product specification — applicable to all consignments of this product and grade supplied by Scapex Exports Pvt. Ltd., manufacturer and supplier of quality chemicals.

Product Name	Ferrous Ascorbate
C.A.S. Number	Not applicable
Molecular Formula	C ₁₂ H ₁₄ FeO ₁₂
Molecular Weight	406.08
Grade / Standard	Pharma Grade
Physical Form	Brown amorphous powder
Product Category	Vitamins, Minerals & Amino Acids
Country of Origin	India



ANALYTICAL RESULTS

S. No.	Test Parameter	Specification	Result	Method
1	Description	Brown amorphous powder	Complies	Visual
2	Solubility	As per specification	Complies	Visual / Monograph
3	Specific Optical Rotation	As per monograph	Conforms	Polarimetry
4	Loss on Drying	Not more than 0.5 % w/w	0.25	Gravimetry
5	Residue on Ignition	Not more than 0.1 % w/w	0.051	Gravimetry
6	Chloride	Not more than 0.05 %	0.0055	Turbidimetry
7	Lead (Pb)	Not more than 3 ppm	Less than 0.5 ppm	ICP-MS
8	Heavy Metals (as Pb)	Not more than 10 ppm	Less than 5 ppm	ICP-OES
9	Total Aerobic Microbial Count	Not more than 1000 cfu/g	108 cfu/g	IP / USP <61>
10	Total Yeast & Mould Count	Not more than 100 cfu/g	4 cfu/g	IP / USP <61>
11	Escherichia coli	Absent in 1 g	Absent	IP / USP <62>
12	Salmonella species	Absent in 10 g	Absent	IP / USP <62>
13	Structure	Conforms to reference structure	Complies	FTIR / NMR

Remarks

Material supplied against this specification is analysed on every production lot and **conforms** to the limits stated above in all tested parameters. Results shown are the typical values obtained for this grade.

Retained samples are held against every export consignment. Store in tightly closed original packing, in a cool, dry, well-ventilated place away from incompatible materials and direct sunlight.

Checked and Approved by

Prem Panchal
Quality Assurance
Scapex Exports Pvt. Ltd.

This document sets out the standard specification for the product named above and applies to all consignments of this grade. It is issued by ScapeX Exports Pvt. Ltd. as manufacturer and supplier. Refer to the Material Safety Data Sheet (MSDS) before handling.