

CERTIFICATE OF ANALYSIS

Product Description L-ASCORBIC ACID
3-OXO-L-GULOFURANOLACTONE; VITAMIN C
Product Number A106
Lot Number HTT0106021
Storage Temperature Room Temperature
Molecular Weight 176.13
Formula C₆H₈O₆
CAS Number 50-81-7

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	2.7
Physical Appearance Color* Texture	PM-1 to PM-4 Crystalline Powder	PM-1 White Crystalline Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 99.0%	99.66%

* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

Biological Testing:


Test Concentration: 100.0 mg/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
This product is commonly used as an antioxidant. It is tested with two or more plant cell lines to ensure there are no phytotoxic impurities that would result in morphological aberrations to plants.	Xanthi Tobacco Callus	Passes
	Parrot Feather	Passes

This material is derived from microbial fermentation and is highly purified and considered semi-synthetic. No animal- or plant-derived components were used in the manufacture of this product.

PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.

Date of Release: 19-December-2025
Recommended Shelf-Life Date: December 2033

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