CERTIFICATE OF ANALYSIS

L-ASCORBIC ACID

SYNONYMS	: Ascorbic Acid		
PRODUCT CODE (SKU)	: 40100276-4	**MOLECULAR FORMULA**	: $C_6H_8O_6$
PRODUCT SIZE	: 50 g	**MOLECULAR WEIGHT**	: 176.12 g/mol
CAS NUMBER	: 50-81-7	**STORAGE TEMP.**	: RT
LOT NUMBER	: V18062702	**REASSAY/ EXP DATE**	: 06/2020

PROPERTIES	SPECIFICATIONS	TEST RESULTS
Appearance:	Crystalline Solid	PASS
Color:	White to Off-White	PASS
Assay:	99-100.5%	99.5%
Solubility:	Clear	PASS
Melting point:	190-192°C	191°C
pH:	2.4-2.8 (2% H2O)	2.5
Loss on drying:	<= 0.4%	< 0.04%
Residue on ignition:	<= 0.1%	< 0.04%
IR:	Conforms to Standard	PASS
Arsenic:	<= 1 ppm	< 1 ppm
Iron:	<= 2 ppm	< 2 ppm
Heavy metals:	<= 10 ppm	< 10 ppm
Lead:	<= 1 ppm	< 1 ppm
Mercury:	<= 0.1 ppm	< 0.1 ppm
Specific Rotation:	+20.5° - +21.5°	+21°
Cadmium:	<= 1 ppm	< 1 ppm
Copper:	<= 5 ppm	< 5 ppm
Oxalic Acid:	<= 0.2%	< 0.2%
Total Impurities:	<= 0.2%	0.04%

APPROVED BY:

DATE: 09-10-2019

Mallory McMullen
Quality Assurance

CREATION DATE: 09-10-2019 PRINT DATE: 09-10-2019

The above information is based upon data received from our supplier or our quality control measurements.

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