WISENT BIOPRODUCTS

CERTIFICATE OF ANALYSIS

L-ASPARTIC ACID

Catalogue no.: 550-004-**

Lot no.: 550004019

Expiration date: 09/2023

MSDS: Available upon request

Shipping: Ambient

Storage: Store at room temperature

CAS: 56-84-8

MW: 133.1

Formula: $C_4H_7NO_4$

TESTS	SPECIFICATIONS	UNITS	RESULTS
Appearance	White crystals or crystalline powder	NA	Conforms
Assay	99.0 – 100.5	%	99.7
Specific Rotation	+24.8 - -25.8	º	+25.32
Transmittance	≥ 98.0	%	98.6
Chloride	≤0.02	%	<0.02
Ammonium	≤0.02	%	<0.02
Arsenic	≤1	ppm	<1
pH	2.5 – 3.5	NA	2.96
Heavy Metals	≤ 0.001	%	< 0.001
Sulphate	≤ 0.02	%	< 0.02
Iron	≤ 10	ppm	< 10
Loss on drying	≤0.2	%	0.09
Solubility (25ºC)	Clear. Colorless at 50mg/ml in water	NA	Conforms
Residue in Ignition	≤ 0.1	%	0.05

ADDITIONAL INFORMATION:

STABILITY: This liquid media has a data supporting a shelf life of 4 years when properly stored.

PREPARATION: Follow the protocol for powder hydration.

Contact: wisentbioproducts@wisent.ca
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