

Certificate of Analysis

Issued Date

August 9, 2024

AMINATURE® L-Citrulline DL - Malate (2:1)

Product description

Stuffing Date	August 5, 2024
Production Date	May 11, 2024
Lot No.	BUQD240511
Packaging	20 Kg / Drums
Quantity	5.300 MT (265 Drums)
Destination	NHAVA SHEVA, INDIA
Container ID.	FFAU 3980 982
Invoice No.	1100092461-1
Customer PO.	CHEMKART 24-0701
Manufactured by	PT. CJ INDONESIA

Specification

Items	Standard	Results	Method
Appearance	White crystal or crystalline powder, slightly characteristic taste	Passes test	Visual
Solubility	Freely soluble in water	Passes test	Solubility test
Physical	Assay L- Citrulline	62.5% ~ 74.2%	HPLC
	DL - Malate	26.4% ~ 36.4%	HPLC
	Loss on drying	Not more than 0.3%	Moisture meter
	Specific rotation	20°C : +17.0°~ +19.0°	Polarimeter
	Bulk Density	~ g/ml	Density meter
Chemical	Residue on ignition	Not more than 0.1%	USP
	Chloride	Not more than 0.05%	IC
	Heavy metals	Not more than 10.0 ppm	Passes test
	Lead	Not more than 0.5 ppm	Passes test
	Arsenic	Not more than 0.5 ppm	Passes test
	Cadmium	Not more than 0.5 ppm	Passes test
	Mercury	Not more than 0.1 ppm	Passes test
	Iron	Not more than 10.0 ppm	Passes test
	Total plate count	Not more than 1,000 cfu/g	<10
Microbiological	Yeast & Mold	Not more than 100 cfu/g	Negative
	Coliform	Negative/g	Negative
	E.coli	Negative/g	Negative
	Bacillus cereus	Negative/g	Negative
	Salmonella spp.	Negative/25g	Negative
	Staphylococcus aureus	Negative/g	Negative
	Clostridium perfringens	Negative/g	Negative
	Clostridium botulinum	Negative/g	Negative
	Enterobacteriaceae	Negative/g	Negative
	Listeria monocytogenes	Negative/25g	Negative

Shelf life : May 10, 2027

L- Citrulline DL - Malate (2:1) will remain stable and effective for 3 years from the date of production when stored in dry condition and fresh place in sealed or closed package, to be protected from water, sunlight and heat. Avoid from direct floor and any source of combustion.

Country of Origin: Indonesia

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Authorized by



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QC Manager

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