

Certificate of Analysis

Item Number	Product Description	Lot Number
CPB-A50010-1KG	CHEMPURE L-Arginine, 1 KG	118718-125640
Formula	Molecular Weight	Cas Number
C ₆ H ₁₄ N ₄ O ₂	174.2	74-79-3

QC TEST/RELEASE DATE: 08/03/2020

SUGGESTED RETEST DATE: 08/02/2026

S.No	Test	Unit	Specifications	Test Value
1	Appearance		White Crystals or White Crystalline powder	passed
2	Assay	%	≥ 98.5	100.4
3	Chloride (Cl)	%	≤ 0.05	< 0.05
4	Chromatographic		Conforms	passed
5	Heavy Metals (as Pb)	ppm	≤ 15	< 15
6	Identification		Pass Test	passed
7	Identification (Chromatographic Purity)		Pass Test	passed
8	Iron (Fe)	ppm	≤ 30	< 30
9	Loss on Drying	%	≤ 0.5	0.12
10	Residue on Ignition	%	≤ 0.30	0.02
11	Specific Rotation @ 25°C		+26.3 - +27.7	+27.0
12	Sulfate (SO ₄)	%	≤ 0.03	< 0.3
13	USP		Tested to the standard of USP	passed

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