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Certificate of Analysis

Catalogue Number	05973
Product	D-Homocitrulline
Lot Number	500462
	D-HomoCit-OH
	N ^ε -Carbamoyl-D-lysine
CAS Number	121080-96-4
Molecular Formula	C ₇ H ₁₅ N ₃ O ₃
Molecular Weight	189.22

Appearance	White powder
Solubility	Clear, colorless solution (50mg/mL in 80% Acetic acid)
Elemental Analysis (Theory)	C = 43.97%; H = 7.96%; N = 21.99%; Calculated as 0.1 H ₂ O
Elemental Analysis (Found)	C = 43.76%; H = 8.10%; N = 22.17%; Calculated as 0.1 H ₂ O
Water Content (Karl Fisher)	0.6%
TLC System	n-Butanol/Acetic acid/H ₂ O (4:2:2) Isopropanol/Ammonia Concentrated (1:1) Plate: Silica gel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = -25.1° (C=2 in 1N HCl)
Purity by TLC	> 98%
Storage	Store at 0-8°C

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager