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Certificate of Analysis

Catalogue Number	07065
Product	(2S,4S)-γ-Hydroxy-L-glutamic acid

Lot Number	000127-1036585
	(2S,4S)- γ -Hydroxy-L-Glu-OH
	H-(2S,4S)-Glu(γ -OH)-OH

CAS Number	3913-68-6
Molecular Formula	C ₅ H ₉ NO ₅

Molecular Weight	163.1
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Appearance	White product
Solubility	Clear, colorless solution (10 mg/mL in Water)
Elemental Analysis (Theory)	C = 36.81%; H = 5.56%; N = 8.59%
Elemental Analysis (Found)	C = 36.63%; H = 5.81%; N = 8.59%
TLC System	Ethyl acetate/Pyridine/Acetic acid/H ₂ O(60:60:12:36) Isopropanol/Ammonia conc. (1:1) n-Butanol/Acetic acid/Water (4:2:2) Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = -12.9° (C=2 in Water)
Purity by TLC	> 96%
Storage	Store at 0-8 °C
Additional Information	2S, 4R-Isomer: 0.2% (GC)

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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

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager