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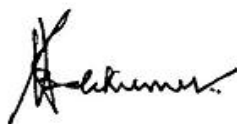
825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	14069
Product	α-Methyl-L-valine
Lot Number	000127-1065538
	α -Me-L-Val-OH
CAS Number	53940-83-3
Molecular Formula	C ₆ H ₁₃ NO ₂
Molecular Weight	131.17
Appearance	White powder
Appearance of Solution	Clear, colorless solution (50 mg/mL in acetic acid 80%)
Water Content (Karl Fisher)	0.1%
TLC System	Chloroform/Methanol/Acetic acid 32% (5:3:1) Chloroform/Methanol/Acetic acid/H ₂ O (60:45:14:6) Chloroform/Methanol/Toluene/H ₂ O (8:8:8:1) Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, TMB
Optical Rotation	[α] _D ²⁴ = -3.8 ° (C=1 in Water)
Related Substances	Related impurities : < 0.1% (H-Val-OH)
Assay	99.6% (Elemental Analysis, Nth: 10.68%, Nfd: 10.64%)
D-Enantiomer	< 0.1%
Purity by TLC	> 99%
Chiral Purity	> 99.9% (GC, ee)
Storage	Store at 0 - 8 °C
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