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Certificate of Analysis

Catalogue Number	03167
Lot Number	001622-2015081001
Product	L-Valine benzyl ester 4-toluenesulfonate salt L-Val-OBzl•TosOH
CAS Number	16652-76-9
Molecular Formula	C ₁₂ H ₁₇ NO ₂ ·C ₇ H ₈ O ₃ S
Molecular Weight	379.5

Appearance	White crystal
Melting Point	160-162 °C
Water Content (Karl Fisher)	0.1%
Optical Rotation	[α] ²⁰ _D = -3.8 ° (C=3.2 in MeOH)
¹H NMR	Conforms to standard
Purity by HPLC	98.12%
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