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Certificate of Analysis

Catalogue Number	03013
Lot Number	000424-181011-16143
Product	D-Alanine benzyl ester 4-toluenesulfonate salt D-Ala-OBzl•TosOH
CAS Number	41036-32-2
Molecular Formula	C ₁₀ H ₁₃ NO ₂ •C ₇ H ₈ SO ₃
Molecular Weight	351.4
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Appearance	White powder
Solubility	Clear solution (0.3 g in 2 ml MeOH)
Melting Point	112.0 - 113.9 °C
Water Content (Karl Fisher)	0.10%
Optical Rotation	[α] _D ²⁰ = + 4.4 ° (C=3 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.14% (40°C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	98.29%
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