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Certificate of Analysis

Product Brand	Fluka
PRODUCT-NO	15429
PRODUCT	BOC-ASP(OTBU)-OH puriss.
FORMULA	C ₁₃ H ₂₃ NO ₆
MOLECULAR MASS	289.32
CAS NUMBER	1676-90-0
LOT	1370162

Test	Specification	Result
APPEARANCE (COLOR)	WHITE TO ALMOST WHITE	WHITE
APPEARANCE (FORM)	POWDER TO POWDER WITH LUMPS	POWDER WITH LUMPS
PURITY (TLC AREA %)	≥ 99.0 %	100.0 %
SPECIFIC ROTATION (20/D)	2.0 ± 0.4 DEGREES	1.7 DEGREES
CONCENTRATION	--	C=1 IN MECH
MELTING POINT	64 - 67 C	66 C
NMR SPECTRUM 1H	CORRESPONDS TO STANDARD SPECTRUM	CORRESPONDS

DATE OF QC-RELEASE	01/FEB/08
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Dr. G. van Look, Manager

Quality Control

Buchs, Switzerland

Sigma-Aldrich guarantees the 'Sales-Specification' values only, additional lot specific tests may be included for further information. The current 'Sales-Specifications' sheet is available on request. For further inquiries, please contact our Technical Service. Sigma-Aldrich warrants, that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice for additional terms and conditions of sale. The values given on the 'Certificate of Analysis' are the results determined at the time of analysis.