

Analytical Data Sheet

Lot number **1071859**
not for drug use

Catalog number **Q-1875.1000**
Product number **4008261.1000**
Product **D- Lactic acid- benzyl ester**
Molecular formula $C_{10}H_{12}O_3$
Relative molecular mass 180.20

Tests	Results
Appearance	clear, colorless liquid
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{20} = +19.6^\circ$ (1% in ethanol)
Purity (TLC)	> 99%
TLC conditions	ethylacetate/hexane 2/8 chloroform/methanol 9/1 diethylether/hexane 1/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ammoniummolybdate
Assay (elemental analysis)	98.3% (Cth 66.65%, Cfd 65.49%)
Water content (KF volumetric)	0.1%

Latest update: June 07, 2017

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