

Analytical Data Sheet

Lot number **1068001**
not for drug use

Retest date September 2021
Catalog number **Q-1380.0100**
Product number **4000118.0100**
Product **DL- β - Phenyllactic acid**
Molecular formula $C_9H_{10}O_3$
Relative molecular mass 166.18

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (ESI-MS)	m = 166.2u (average mass)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Phe-OH
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (titration)	99.2% (TBAH)

Latest update: September 28, 2016

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