

Analytical Data Sheet

Lot number **1069413**
not for drug use

Catalog number **F-4050.0001**
Product number **4026246.0001**
Product **D- α - Hydroxyisocaproic acid**
Molecular formula **C₆H₁₂O₃**
Relative molecular mass **132.16**

Tests	Results
Appearance	white solid
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (TLC)	complies with authentic material
Melting point	81.3 °C
Specific optical rotation	$[\alpha]_D^{24} = +26.5$ (1 % in NaOH 1N)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H-D-Leu-OH
TLC conditions	chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/toluene/H ₂ O 8/8/8/1 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine, ammoniummolybdate
Assay (elemental analysis)	99.7% (Cth 54.53 %, Cfd 54.34 %)

Latest update: January 11, 2017

Analytical Data Sheet
Lot number **1069413**