

Analytical Data Sheet

Lot number **1075316**
not for drug use

Catalog number **E-1595.0005**
Product number **4000637.0005**
Product **H- Tyr(Bzl) - OH**
Molecular formula **C₁₆H₁₇NO₃**
Relative molecular mass **271.32**

Tests	Results
Appearance	off-white powder
Appearance of solution	clear, slightly yellow solution (25 mg/ml in AcOH 80 %)
Identification (elemental analysis)	Theory Found C = 70.8 % C = 71.0 % H = 6.3 % H = 6.3 % N = 5.2 % N = 5.1 %
Identification (TLC)	conforms with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -9.6^\circ$ (1 % in AcOH 80 %)
Purity (TLC)	> 98%
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 6/5/1/3 chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (titration)	98.5% (HClO ₄)

Latest update: January 30, 2018

Analytical Data Sheet
Lot number **1075316**