

Analytical Data Sheet

Lot number	1000036465 not for drug use
Product	H-Phe-Ile-OH
Product number	4014224.0001
Molecular formula	C ₁₅ H ₂₂ N ₂ O ₃
Relative molecular mass	278.35

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in MeOH 90%)
Purity (TLC)	> 97%
TLC conditions	chloroform/methanol/acetic acid(98-100%)/H ₂ O 45/13/1/2 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/ H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	89.0% (Nth 10.06%, Nfd 8.95%)
Assay (titration)	89.1% (HClO ₄)
Water content (KF volumetric)	0.7%

Latest update: August 10, 2020

Analytical Data Sheet
Lot number **1000036465**