

Analytical Data Sheet

Lot number **1062492**
not for drug use

Catalog number **K-1490.0050**
Product number **4004755.0050**
Product **TRH- β NA**
Pyr- His- Pro- β NA
Molecular formula **C₂₆H₂₈N₆O₄**
Relative molecular mass **488.55**

Tests	Results
Appearance	white lyophilisate
Appearance of solution	clear, colorless solution (50 mg/mL in water)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% β NA < 0.5% H-Pro- β NA
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 chloroform/methanol/toluene/H ₂ O 8/8/8/1 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)	82.7% (Nth 17.20%, Nfd 14.23%)
Assay (titration)	83.8% (HClO ₄)
Water content (KF volumetric)	1.8%
Acetic acid content (HPLC)	12.9%

Latest update: November 02, 2015

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