

Analytical Data Sheet

Lot number **1000014869**
not for drug use

Catalog number **H-8685.0250**
Product number **4017754.0250**
Product **Acetyl- α -MSH (11- 13) hydrochloride salt**
Ac- Lys- Pro- Val- NH₂ hydrochloride salt
Molecular formula **C₁₈H₃₃N₅O₄**
Relative molecular mass **383.49**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in water)
Identification (TLC)	complies with authentic material
Purity (HPLC)	98.3% (NaClO ₄)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	86.1% (Nth 18.26%, Nfd 15.72%)
Water content (KF volumetric)	3.0%
Chloride content (titration)	10.9% (AgNO ₃)

Latest update: April 17, 2019

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