

Analytical Data Sheet

Lot number **1075748**
not for drug use

Catalog number **I-1055.0050**
Product number **4004120.0050**
Product **H- Arg- Arg- AMC hydrochloride salt**
Molecular formula **C₂₂H₃₃N₉O₄**
Relative molecular mass **487.56**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in water)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 98%
Related impurities (TLC)	< 0.1% AMC (7-amino-4-methylcoumarin)
TLC conditions	methanol/chloroform/ammonia 17% 2/2/1 n-butanol/acetic acid/H ₂ O 4/2/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	76.6% (Nth 25.86%, Nfd 19.80%)
Water content (KF volumetric)	4.6%
Chloride content (titration)	17.2%
General comment	hygroscopic product

Latest update: February 21, 2018

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