

Analytical Data Sheet

Lot number

1011191

not for drug use

Catalog Number	F-3480.0005
Product number	4027071.0005
Product	4- Amino- 1- methyl- 1H- imidazole- 2- carboxylic acid- ethyl ester · HCl
Molecular formula	C ₇ H ₁₁ N ₃ O ₂ · HCl
Relative molecular mass	205.64

Tests	Results
Appearance	beige powder
Appearance of solution	clear, slightly yellow solution (50 mg/ml in ethanol)
Identification (TLC)	complies with authentic material
Melting point	164.8 °C
Purity (TLC)	> 95%
TLC conditions	ethylacetate/methanol 1/1 ethylacetate/methanol 7/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	82.1 (Nth 24.84 %, Nfd 20.38 %)
Chloride content (titration)	17.0% (AgNO ₃)
General comment	this product is sensitive to light and prone to oxidation
Latest update: October 24, 2008	