

Analytical Data Sheet

Lot number **1075323**
not for drug use

Catalog number **F-4025.0005**
Product number **4033758.0005**
Product **(RS) - 3- Amino- 3- (3- pyridyl) - propionic acid**
Molecular formula **C₈H₁₀N₂O₂**
Relative molecular mass **166.18**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in water)
Identification (ESI-MS)	m = 166.2u (average mass)
Identification (elemental analysis)	Theory Found C = 57.8 % C = 57.7 % H = 6.1 % H = 6.1 % N = 16.9 % N = 16.9 %
Identification (TLC)	complies with authentic material
Melting point	211 °C
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	99.9% (Nth 16.86 %, Nfd 16.85 %)
Water content (KF volumetric)	0.3%

Latest update: February 01, 2018

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