

Analytical Data Sheet

Lot number **1000028771**
not for drug use

Catalog number **Q-1880.0001**
Product number **4026181.0001**
Product **Agmatine · sulfate**
1- Amino- 4- guanidinobutane · sulfate
Molecular formula $C_5H_{14}N_4 \cdot H_2SO_4$
Relative molecular mass 228.27

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in water)
Identification (IR)	complies
Identification (TLC)	complies with authentic material
Sulfate precipitation test	positive
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 RP (60% MeOH) plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Other amino acids (GC)	< 0.2%
Assay (elemental analysis)	100.7% (Nth 24.54%, Nfd 24.72%)
Water content (KF volumetric)	0.5%

Latest update: February 25, 2020

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