

## Analytical Data Sheet

Lot number **1000028772**  
not for drug use

Catalog number **Q-1880.0005**  
Product number **4026181.0005**  
Product **Agmatine · sulfate**  
1- Amino- 4- guanidinobutane · sulfate  
Molecular formula **C<sub>5</sub>H<sub>14</sub>N<sub>4</sub> · H<sub>2</sub>SO<sub>4</sub>**  
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 <sub>2</sub> O 4/2/2 RP (60% MeOH) plate: silicagel 60 F <sub>254</sub> 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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