

Analytical Data Sheet

Lot number **1072039**
not for drug use

Catalog number **F-3670.1000**
Product number **4027854.1000**
Product **L- Albizziine**
H- β - (Ureido) - Ala- OH
Molecular formula **C₄H₉N₃O₃**
Relative molecular mass **147.13**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in water)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 32.7%</td> <td>C = 32.7%</td> </tr> <tr> <td>H = 6.2%</td> <td>H = 5.9%</td> </tr> <tr> <td>N = 28.6%</td> <td>N = 28.3%</td> </tr> </table>	Theory	Found	C = 32.7%	C = 32.7%	H = 6.2%	H = 5.9%	N = 28.6%	N = 28.3%
Theory	Found								
C = 32.7%	C = 32.7%								
H = 6.2%	H = 5.9%								
N = 28.6%	N = 28.3%								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = -67.0^\circ$ (2% in water)								
Purity (TLC)	> 98%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.3% (Nth 28.56%, Nfd 28.35%)								
Water content (KF volumetric)	0.7%								

Latest update: June 07, 2017

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