

Version Molecular weight Quality Test / Release Date Molecular Formula

CAS No 1784-

00 378.88

12/03/2018

C14 H22 N4 O4 S . H CI

Linear Formula H2N

Flash Point (°C)

H2NC(=NH)NH(CH2)3CH(NHSO2C6H4CH3)CO2CH3

Issued: 12-03-2018

Certificate of Analysis

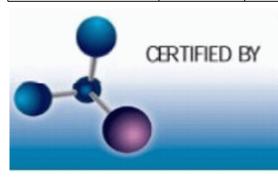
This is to certify that units of the above mentioned lot number were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Acros Organics expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Unless otherwise stated, these products are not intended for dialysis, parenteral, or injectable use without further processing. The following are the actual analytical results obtained:

Catalog Number	13920	Quality Test / Release Date 12/03/2018	
Lot Number	A0403175		
Description	Nalpha-4-Tosyl-L-arginine methyl ester hydrochloride,98+%		
Country of Origin	CHINA		
Declaration of Origin			

BSE/TSE comment

Chemical Comment

Result name	Units	Specifications	Test Value
Appearance (Color)		White	White
Appearance (Form)		Crystalline powder	Crystalline powder
Infrared spectrum		Conforms	Conforms
Melting point		146°C to 149°C	147.3°C
Titration with NaOH		98.0 to 102.0 %	99.1 %



L. Van den Broek, QA Manager

Acros Organics

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