



Version	00
Molecular weight	182.19
Quality Test / Release Date	06/07/2018
Molecular Formula	C4 H10 N2 O4 S
CAS No	7365-82-4
Linear Formula	H2NCOCH2NHCH2CH2SO3H
Flash Point (°C)	

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	22800	Quality Test / Release Date 06/07/2018
Lot Number	A0397526	
Description	ACES,99%,extra pure	
Country of Origin	CHINA	
Declaration of Origin	synthetic	

BSE/TSE comment	
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Chemical Comment	
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Result name	Units	Specifications	Test Value
Appearance (Color)		White	White
Appearance (Form)		Crystalline powder	Crystalline powder
Infrared spectrum		Authentic	Authentic
Titration with NaOH		>=98.5 %	99.6 %
Water		=<1 % (K.F.)	0.55 % (K.F.)
UV		(5 % in water)	(5 % in water)
UV		at 260 nm A: =<0.04	at 260 nm A:0.036
UV		at 280 nm A: =<0.02	at 280 nm A:0.015
pH		3.6 to 4.4 (1 % solution)	4.2 (1 % solution)



A handwritten signature in black ink, which appears to read "L. Van den Broek".

L. Van den Broek, QA Manager

Issued: 06-08-2018

Acros Organics
 ENA23, zone1, nr 1350, Janssen Pharmaceuticaalaa 3a, B-2440 Geel, Belgium
 Tel +32 14/57.52.11 - Fax +32 14/59.34.34 Internet: <http://www.acros.com>
 1 Regent Lane, Fair Lawn, NJ 07410, USA Fax 201-796-1329