

Version 00
Molecular weight 163.17
Quality Test / Release Date 09/11/2019
Molecular Formula C6 H13 N O4
CAS No 150-25-4

Linear Formula Flash Point (°C) (HOCH2CH2)2NCH2CO2H

Certificate of Analysis

This is to certify that units of the lot number below 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. Products are for research use or further manufacturing. Not for direct administration to human or animals. It is the responsibility of the purchaser, formulator or those performing further manufacturing to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	17265	Quality Test / Release Date 09/11/2019	
Lot Number	A0412133		
Description	Bicine,99+%,for analysis		
Country of Origin	CHINA		
Declaration of Origin	synthetic		

BSE/TSE comment

Chemical Comment

Result name	Units	Specifications	Test Value
Appearance (Color)		White	White
Appearance (Form)		Crystalline powder or needles	Needles
Infrared spectrum		Conforms	Conforms
Titration with HCIO4		>=99.0 %	99.6 %
Water		=<1.0 % (K.F.)	0.9 % (K.F.)
Sulfated ash		=<0.1 %	=<0.1 %
рН		4.0 to 5.5 (10 % at 20°C)	5.1 (10 % at 20°C)
UV		(5 % in water)	(5 % in water)
UV		at 250 nm A: =<0.05	at 250 nm A:0.046
Chloride (CI)		=<50 ppm	=<50 ppm
Sulfate (SO4)		=<50 ppm	=<50 ppm
Iron (Fe)		=<5 ppm	=<5 ppm
Heavy metals (as Pb)		=<5 ppm	=<5 ppm



L. Van den Broek, QA Manager

Acros Organics

ENA23, zone1, nr 1350, Janssen Pharmaceuticalaan 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

& Block

Issued: 09-12-2019