

 Version
 00

 Molecular weight
 195.06

 Quality Test / Release Date
 08/28/2018

 Molecular Formula
 C6 H11 Br O2

 CAS No
 2969-81-5

 Linear Formula
 Br(CH2)3CO2C2H5

## 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:

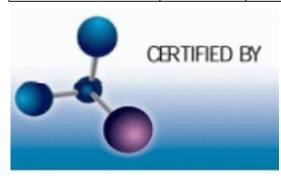
Flash Point (°C)

Catalog Number	17335	Quality Test / Release Date 08/28/2018
Lot Number	A0400348	
Description	Ethyl 4-bromobutyrate,97+%	
Country of Origin	FRANCE	
Declaration of Origin	synthetic	

## **BSE/TSE** comment

## **Chemical Comment**

Result name	Units	Specifications	Test Value
Appearance (Color)		Clear colorless to yellow	Clear yellow
Appearance (Form)		Liquid	Liquid
Infrared spectrum		Authentic	Authentic
Refractive index		1.4550 to 1.4570 (20°C, 589 nm)	1.4563 (20°C, 589 nm)
GC		>=97.0 %	99.8 %



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: 08-29-2018