



Version	01
Molecular weight	117.15
Quality Test / Release Date	03/09/2015
Molecular Formula	C ₅ H ₁₁ N O ₂
CAS No	3059-97-0
Linear Formula	CH ₃ CH ₂ CNH ₂ (CH ₃)COOH
Flash Point (°C)	

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	38803	Quality Test / Release Date	03/09/2015
Lot Number	A0357213		
Description	D(-)-Isovaline, 97%		
Country of Origin	ARMENIA		
Declaration of Origin	synthetic		

BSE/TSE comment	
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Chemical Comment	
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Result name	Units	Specifications	Test Value
Appearance		White needles or crystalline powder	White needles
Infrared spectrum		Authentic	Authentic
Titration Total base		≥96.0 %	100.1 %
Specific optical rotation		-9.0° to -12.0° (20°C, 589 nm) (C=1, water)	-11.5° (20°C, 589 nm) (C=1, water)



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

L. Van den Broek, QA Manager

Issued: 03-10-2020

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