



Version	01
Molecular weight	102.18
Quality Test / Release Date	09/14/2018
Molecular Formula	C5 H14 N2
CAS No	7328-91-8
Linear Formula	H2NCH2C(CH3)2CH2NH2
Flash Point (°C)	47

## 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.

<b>Catalog Number</b>	21051	<b>Quality Test / Release Date</b> 09/14/2018
<b>Lot Number</b>	A0400819	
<b>Description</b>	2,2-Dimethyl-1,3-propanediamine, 99%	
<b>Country of Origin</b>	JAPAN	
<b>Declaration of Origin</b>	synthetic	

<b>BSE/TSE comment</b>	
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<b>Chemical Comment</b>	
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Result name	Units	Specifications	Test Value
Appearance (Color)		Colorless	Colorless
Appearance (Form)		Low melting solid	Low melting solid
Infrared spectrum		Authentic	Authentic
Refractive index		1.4556 to 1.4576 (20°C, 589 nm)	1.4556 (20°C, 589 nm)
Titration with HClO <sub>4</sub>		98.5 to 101.5 %	100.7 %
GC		>=98.5 %	99.5 %



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

L. Van den Broek, QA Manager

Issued: 03-17-2020

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