



Version	01
Molecular weight	202.34
Molecular Formula	C10 H26 N4
CAS No	71-44-3
Linear Formula	H2N(CH2)3NH(CH2)4NH(CH2)3NH2
Flash Point (°C)	110

## Certificate of Analysis

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Catalog Number	13275	Quality Test / Release Date	08/01/2024
Lot Number	A0449740	Suggested retest date	08/01/2027
Description	Spermine, 97%		
Country of Origin	UNITED STATES OF AMERICA		
Declaration of Origin	synthetic		

BSE/TSE	
Chemical	

Result name	Specifications	Test Value
Appearance (Color)	White to light yellow	White
Appearance (Form)	Crystalline powder or low melting mass	Low melting crystals
Infrared spectrum	Conforms	Conforms
Melting point	26°C to 30°C	28.3°C
Titration with HClO4	>=96.0 % (On dry substance)	101.8 % (On dry substance)
Water	=<3 % (K.F.)	3 % (K.F.)

C. Wygaerts, QA Manager

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