



Version	02
Molecular weight	118.16
Molecular Formula	C ₂ H ₅ N ₃ · C ₂ H ₄ N ₂ S
CAS No	593-84-0
Linear Formula	NH ₂ C(NH)NH ₂ .HSCN
Flash Point (°C)	

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	41111	Quality Test / Release Date	03/22/2024
Lot Number	A0428417	Suggested retest date	03/22/2027
Description	Guanidine thiocyanate,99%,for biochemistry		
Country of Origin	CHINA		
Declaration of Origin	synthetic		

BSE/TSE	
Chemical	

Result name	Specifications	Test Value
Appearance (Color)	Colorless to white	White
Appearance (Form)	Crystalline powder or crystals	Crystals
Infrared spectrum	Conforms	Conforms
Melting point	118°C to 122°C	119.4°C
Titration Argentometric	>=98.5 %	100.1 %
Heavy metals (as Pb)	=<10 ppm	=<10 ppm
Sulfated ash	=<0.05 %	0.05 %
Iron (Fe)	=<1 ppm	=<1 ppm
Sulfate (SO ₄)	=<50 ppm	=<50 ppm
Solubility	(3 M in water) Clear colorless	(3 M in water) Clear colorless
UV	at 280 nm A: =<0.4	at 280 nm A:0.219
UV	at 300 nm A: =<0.05	at 300 nm A:0.037
UV	(3 M in water)	(3 M in water)

C. Wygaerts, QA Manager

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