

**CERTIFICATE OF ANALYSIS**

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by TUV SUD America Inc.  
Certificate Number. 951001163

Catalogue Number J65661  
Lot Number Q08L031  
Description Guanidine hydrochloride, Molecular Biology Grade  
CAS Number 50-01-1  
Quality Test/Release Date 08/Apr/2025  
Suggested retest date 08/Oct/2027  
Country of Origin United States

Result Name	Units	Specifications	Test Value
Assay (unspecified)	AU	Absorbance (260nm, 6M in water): 0.03 max.	0.0075
Assay (Titration)	%	99.5% min.	99.8
Appearance (Color)		White	White
DNase		None detected	None detected
Form		Powder	Powder
Impurity content	ppm	Arsenic: 5ppm max.	<0.45
Impurity content	ppm	Iron: 5ppm max.	<0.30
Impurity content	ppm	Lead: 5ppm max.	<0.30
Protease activity		None detected	None detected
RNase		None detected	None detected

*John Astarita*

John Astarita  
Director, Quality

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.

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.