Fisher Scientific L.L.C. US
1 Reagent Lane
Fair Lawn,
NJ 07410, United States of America

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek Global Certificate Number. CERT-0120633

Catalogue Number	J75823
Lot Number	253617A
Description	GUANIDINE HYDROCHLORIDE
CAS Number	50-01-1
Quality Test/Release Date	01/Apr/2026
Suggested retest date	01/Jul/2027
Country of Origin	China
Declaration of Origin	Organic - non animal
BSE/TSE	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	White/clear crystals
ABSORBANCE 6M SOL AT 225NM	ABSORBANCE UNITS	<= 0.2	0.2
ABSORBANCE 6M SOL AT 260NM	ABSORBANCE UNITS	<= 0.03	0.02
ALDEHYDE	DETECTED/ NOT DETECT.	IN NOT DETECTED	NOT DETECTED
AMMELINE	DETECTED/ NOT DETECT.	IN NOT DETECTED	NOT DETECTED
ARSENIC (As)	ppm	<= 1	1
ASSAY	%	>= 99.5	100.1
COPPER (Cu)	ppm	<= 1	1
DNASE (ENDO)	PASS/FAIL	IN PASS TEST	PASS TEST
IDENTIFICATION	PASS/FAIL	IN PASS TEST	PASS TEST
IRON (Fe)	ppm	<= 2	1
LEAD (Pb)	ppm	<= 5	1.0
MELTING POINT	DEG C	Inclusive Between 181 - 187	185
PROTEASE	PASS/FAIL	IN PASS TEST	PASS TEST
RNASE	PASS/FAIL	IN PASS TEST	PASS TEST
SOLUBILITY 6M	Clear Solution	IN CLEAR AND COLORLESS	CLEAR AND COLORLESS
SULFATE (SO4)	ppm	<= 50	<50
ZINC (Zn)	ppm	<= 1	<1

Harout Sahagian
QC Manager

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.

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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 use or further manufacturing. 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.

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