



Specification

Guanidine Thiocyanate

Catalog Number: GT1001
CAS Number: 593-84-0
Synonym(s): Guanidinium rhodanide, Guanidinium thiocyanate
Molecular Formula: $\text{CH}_5\text{N}_3\cdot\text{HSCN}$
Molecular Weight: 118.16
Storage: 15°C – 30°C
Retest Date: Three years after date of manufacture.

Test	Specification
Appearance	White to off-white crystalline powder
Assay	
Argentometric Titration	≥ 99.0%
Ion Chromatography	≥ 99.5%
FTIR	To match standard
Melting Point	118.0° to 121.0°C
Solubility (20% in Acetone)	Colorless, ≤ 1.0% precipitate
Solubility (35% in H ₂ O)	Colorless and clear
pH (1% in H ₂ O)	5.0 to 7.0
Moisture (KF)	≤ 0.5%
Ash	≤ 0.5%
Chloride	≤ 1.0%
Cobalt	≤ 5ppm
Iron	≤ 5ppm
DNase I (35% in H ₂ O)	≤ 2U/L
RNase (35% in H ₂ O)	≤ 0.15U/L

Approved by:

John Grubb, PhD
Gojira Fine Chemicals, LLC
Quality Manager
Tel: 440-539-7033 Fax: 888-211-5523
john@gojirafc.com

Date: November 2, 2018