

**neoFroxx GmbH**

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## Specification

<b>Product</b>	<b>Guanidine thiocyanate for molecular biology</b>
<b>Brand</b>	BioFroxx

Product number	1319 (revised)
Synonym(s)	Guanidine isothiocyanate, Guanidine rhodanide, GuaSCN
Formula	CH <sub>5</sub> N <sub>3</sub> x CHNS / C <sub>2</sub> H <sub>6</sub> N <sub>4</sub> S
Molecular weight	118.16 g/mol
CAS number	593-84-0
Storage	below 25°C
Retest period (months)	36

\*\*\* research use only \*\*\*

<b>Parameter</b>	<b>Specification</b>
Assay (HPLC)	min. 99.5 %
DNases/RNases/Proteases	not detectable
Appearance	white to slightly off-white powder
Melting range	118 - 121°C
pH (1 M in water, 20°C)	5.0 - 7.0
Water (K.F.) (revised)	max. 0.3 %
Ash	max. 0.1 %
Ammonium	max. 0.1 %
Fe	max. 0.1 ppm
Abs. at 280 nm (6 M water)	max. 0.50
Abs. at 300 nm (6 M water)	max. 0.10

Einhausen, 04.08.2021 (revised)