

neoFroxx GmbH

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Specification

Product	Guanidine thiocyanate Xtragrade for biochemistry
Brand	BioFroxx

Product number	1405
Synonym(s)	Guanidine isothiocyanate, Guanidine rhodanide, GuaSCN
Formula	CH ₅ N ₃ · CHNS
Molecular weight	118.16 g/mol
CAS number	593-84-0
Storage	below 25°C
Retest period (months)	36

*** research use only ***

Parameter	Specification
Appearance	white crystalline powder
Purity	min. 99.0 %
Moisture (LOD)	max. 1.0 %
Melting point	118 - 122°C
pH (5 % in water)	5.0 – 7.0
Sulfated ash	max. 0.1 %
Ca	max. 0.1 %
Chloride (Cl)	max. 0.1 %
Ammonium (NH ₄)	max. 0.1 %
Solubility (6 M in water)	clear and colorless solution
Abs. at 280 nm (6 M water)	max. 0.50
Abs. at 300 nm (6 M water)	max. 0.10
Abs. at 320 nm (6 M water)	max. 0.10
Abs. at 410 nm (6 M water)	max. 0.10

Einhausen, 03.08.2021