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Certificate of Analysis

Product	80272 - Guanidine Thiocyanate (GTC) for molecular biology, 99% - [593-84-0]
Batch No	4125122
Analysis Date	29-Mar-2024
Date of Manufacture	March 2024
Expiry Date/Re-Test Date	March 2029
Molecular Formula	CH ₅ N ₃ -HSCN
Molecular Weight	118.16

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline compound	Crystalline compound
Solubility (Turbidity) 6M aq. solution	Clear	Clear
Solubility (Colour) 6M aq. solution	Colourless	Colourless
Assay (AT)	min. 99%	99.8%
pH (6M aq. solution)	4.5 - 7.0	5.4
Melting Point	117 - 120°C	119°C
Sulphated Ash	max. 0.05%	0.03%
Sulphate (SO ₄)	max. 0.005%	Passes
Iron (Fe)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Water (KF)	max. 0.5%	0.1%
DNase, RNase, Protease	Not detected	Not detected
Not for medicinal use		

FRM/82/11/4/80272 Rev No. 1 Date 01/11/2015

Prepared by **ThakurRohit**

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 410 208, Maharashtra, India

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