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Certificate of Analysis

Product	45539 - Guanidine Hydrochloride (GHC) for molecular biology, 99.5% - [50-01-1]
Batch No	9280434
Analysis Date	08-Nov-2022
Date of Manufacture	November 2022
Expiry Date/Re-Test Date	November 2027
Molecular Formula	CH ₅ N ₃ .HCl
Molecular Weight	95.53

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 (NT)	min. 99.5%	99.7%
Melting Point	181 - 186°C	186°C
pH (6M aq. solution)	4.5 - 6.0	5.7
Sulphated Ash	max. 0.01%	0.008%
Iron (Fe)	max. 0.0005%	Passes
Sulphate (SO ₄)	max. 0.005%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Absorbance (A) of 6M aq. solution in a 1cm cell v/s H ₂ O		
@260nm	max 0.03	0.024
@280nm	max 0.02	0.018
Water (KF)	max. 0.5%	0.2%
DNase, RNase, Protease	Not detected	Not detected
Not for medicinal use		

FRM/82/11/4/45539 Rev No. 3 Date 06/02/2020

Prepared by Dnyaneshwar

In compliance with the standard specifications of SRL

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

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