



**SISCO  
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PVT. LTD.**

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# Certificate of Analysis

**Product**

**67331 - Sodium Citrate Tribasic Dihydrate for molecular biology, 99% - [6132-04-3]**

**Batch No**

**3605185**

**Analysis Date**

09-Jun-2024

**Date of Manufacture**

June 2024

**Expiry Date/Re-Test Date**

June 2029

**Molecular Formula**

C<sub>6</sub>H<sub>5</sub>O<sub>7</sub>Na<sub>3</sub>.2H<sub>2</sub>O

**Molecular Weight**

294.10

**Test Parameters**

**Standards**

**Actual Results**

Appearance (Colour)

White

White

Appearance (Form)

Crystalline powder

Crystalline powder

Solubility (Turbidity) 1M aq. solution

Clear

Clear

Solubility (Colour) 1M aq. solution

Colourless

Colourless

Assay (NT)

min. 99%

99.2%

pH (5% aq. solution)

7.5 - 9.0

8.6

Chloride (Cl)

max. 0.001%

Passes

Sulphate (SO<sub>4</sub>)

max. 0.005%

Passes

Iron (Fe)

max. 0.0005%

Passes

Heavy Metals (Pb)

max. 0.0005%

Passes

Absorbance (A) of 0.1M aq. solution in a 1cm cell v/s H<sub>2</sub>O

@260nm

max. 0.009

0.004

@280nm

max. 0.005

0.003

Water (KF)

max. 11 - 13%

11.4%

DNase, RNase, Protease

Not detected

Not detected

FRM/82/11/4/67331 Rev No. 2 Date 20/06/2022

Prepared by **Mayur**

In compliance with the standard specifications of SRL

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

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