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## Certificate of Analysis

<b>Product</b>	<b>89168 - Mercuric Nitrate Monohydrate extrapure AR, ACS, 98.5% - [7783-34-8]</b>
<b>Batch No</b>	<b>9551943</b>
<b>Analysis Date</b>	27-Jun-2024
<b>Date of Manufacture</b>	June 2024
<b>Expiry Date/Re-Test Date</b>	June 2029
<b>Molecular Formula</b>	Hg(NO <sub>3</sub> ) <sub>2</sub> .H <sub>2</sub> O
<b>Molecular Weight</b>	342.62

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% solution in 5N HNO <sub>3</sub>	Clear	Clear
Solubility (Colour) 10% solution in 5N HNO <sub>3</sub>	Colourless	Colourless
Assay (T)	min. 98.5%	99.2%
Insoluble matter	max. 0.003%	0.002%
Residue after reduction	max. 0.01%	0.002%
Chloride (Cl)	max. 0.002%	Passes
Sulphate (SO <sub>4</sub> )	max. 0.002%	Passes
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Copper (Cu)	max. 0.0005%	Passes
Mercurous Mercury (as Hg)	max. 0.2%	Passes
Sodium (Na)	max. 0.005%	Passes
Potassium (K)	max. 0.005%	Passes

FRM/82/11/4/89168 Rev No. 3 Date 01/12/2022

Prepared by **ThakurRohit**

In compliance with the standard specifications of SRL

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

608-B, Satellite Gazebo, Andheri Ghatkopar Link Road,  
Chakala, Andheri (E), Mumbai - 400 099. India. ☎ +91-22-4268 5800

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