



**SISCO
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Certificate of Analysis

Product	92082 - Samarium (III) Nitrate Hexahydrate ultrapure, 99.95% - [13759-83-6]
Batch No	2253988
Analysis Date	08-May-2024
Date of Manufacture	May 2024
Expiry Date/Re-Test Date	May 2029
Molecular Formula	Sm(NO ₃) ₃ .6H ₂ O
Molecular Weight	444.47

Test Parameters	Standards	Actual Results
Appearance (Colour)	Yellow	Yellow
Appearance (Form)	Crystalline powder / chunks	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	yellow	yellow
Assay (Complexometric)	min. 99.95%	99.97%
Melting Point	78 - 82°C	80.4°C

FRM/82/11/4/92082 Rev No. 2 Date 16/07/2023

Prepared by Priti

In compliance with the standard specifications of SRL

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

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