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# Certificate of Analysis

**Product** **69095 - Calcium Sulphate Dihydrate extrapure AR, ACS, 99% - [10101-41-4]**  
**Batch No** **8001423**  
**Analysis Date** 27-Jan-2024  
**Date of Manufacture** January 2024  
**Expiry Date/Re-Test Date** January 2029  
**Molecular Formula** CaSO<sub>4</sub>·2H<sub>2</sub>O  
**Molecular Weight** 172.17

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline compound	Crystalline compound
Solubility (Turbidity) 2% solution in warm 5N HCl	Clear	Clear
Assay (EDTA Titration)	min. 99%	99.1%
Insoluble in diluted HCl	max. 0.02%	0.01%
Acidity	max. 0.01%	0.002%
Chloride (Cl)	max. 0.005%	Passes
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Sodium (Na)	max. 0.02%	Passes
Nitrogen Compounds (N)	max. 0.001%	Passes
Strontium (Sr)	max. 0.05%	Passes
Potassium (K)	max. 0.005%	Passes
Magnesium (Mg)	max. 0.02%	Passes
Nitrate (NO <sub>3</sub> )	Passes test	Passes
Carbonate (CO <sub>3</sub> )	Passes test	Passes

FRM/82/11/4/69095 Rev No. 4 Date 06/07/2022

Prepared by **ThakurRohit**

In compliance with the standard specifications of SRL

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