FINISHED PRODUCT: CERTIFICATE OF ANALYSIS
DEPARTMENT : QUALITY CONTROL

Ref .SOP No	QC/017, Rev – 00	**Format No**. : QC/017/F/02-00

Name of product	: CALCIUM CITRATE USP		
Chemical Formula:$C_{12}H_{10}Ca_3O_{14}.4H_2O$	**Molecular Weight**:570.49 gm/mol		**CAS No** :5785-44-4
HSN Code	29181590	**Batch Number**	059001A23
Date of sampling	23/01/2023	**Date of Manufacture**	Jan-2023
Sample Quantity	100.00 gm	**Expiry Date**	5 Years after Mfg. date
Date of Analysis	23/01/2023		
Date of Release	24/01/2023		
Mfg. Lic. No.	G/25/2513		

Sr. No.	Test	Observation	Specification
1.	Description	**White crystalline powder**	White odouless crystalline powder
2.	Solubility	**Freely soluble in water, soluble in ethanol (96 %).**	Freely soluble in water, soluble in ethanol (96 %).
3.	**Identification A** A white precipitate is formed. **Identification B** A voluminous white precipitate that is soluble in hydrochloric acid is formed.	**Complies** **Complies**	To pass test To pass test
4.	Assay (Dried basis)	**98.16 %**	97.5 % to 100.5 % W/W
5.	Arsenic	**Complies**	Max. 3 ppm
6.	Lead	**Complies**	Max. 10 ppm
7.	Fluoride	**Complies**	Max. 30 ppm
8.	Acid insoluble In substance	**Complies**	Max. 0.2 %
9.	Loss on Drying	**11.12 %**	10.0 % to 13.3 %

Storage Condition	:	Preserve in tight containers.

Remarks: The above product complies with above specification.

	Prepared By/Analyzed by	**Approved by**
Signature		
Date	23/01/2023	24/01/2023