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Plot no. 1116/P, Lamadapura Road,
Manjusar – 391 775,
Ta- Savli, Dist. Vadodara, Gujarat, India

Quality Control

Standard Test Specifications

Title: Magnesium Citrate USP

Page No.: 1 of 3

Specification No.:
ACPL/FP/SP/064

Revision No.:
00

Effective Date
04/08/2021

Review Date
03/08/2024

Change Control No.


NA

Prepared By: 

Date: 31/07/2021

Name : Pankaj Patel

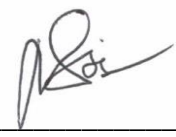
(QC Officer / Designee)

Reviewed By: 

Date: 02/08/2021

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(Unit Head / Designee)

Approved By: 

Date: 03/08/2021

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1.0 SAMPLING LEVEL:

As mentioned in the “Sampling procedure” SOP.

2.0 SAMPLING METHOD TO BE FOLLOWED:

100% sampling to be done from each container.

3.0 TOTAL COMPOSITE SAMPLE TO BE COLLECTED :

100 gm

4.0 EXPIRY:

Five years from the Date of Manufacturing.

5.0 CAS No: 3344-18-1**6.0 MOLECULAR FORMULA: $Mg_3(C_6H_5O_7)_2$** **7.0 MOLECULAR WEIGHT: 451.1 gm/mol.****1.0 CATEGORY: Excipient.****2.0 STORAGE: Preserve in tight containers.****3.0 SAFETY PRECAUTIONS TO BE TAKEN WHILE SAMPLING AND HANDLING :**

Use hand gloves, goggles and apron during Handling.

4.0 CONTROL SAMPLE: 3 X 100gm.**UNCONTROLLED COPY****Format No. QC/017/F/01-00****Certified By (Sign/Date) :**

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TEST PARAMETERS AND SPECIFICATIONS**REF: USP**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Appearance	White or almost white, fine, slightly hygroscopic powder.
2.	Solubility	Soluble in water practically insoluble in ethanol (96 %).
3.	Identification A Test for magnesium. Identification B Test for citrates.	To Pass test To Pass test
4.	Assay % (Dried substance)	14.5 % – 16.4 %
5.	Chloride	Max. 500 ppm
6.	Sulfate	Max. 280 ppm
7.	Arsenic	Max. 3 ppm
8.	Iron	Max. 200 ppm
9.	Calcium	Max. 1.0 % on the dried basis
10.	pH	5.0–9.0 , in a suspension
11.	Loss on drying	Max. 2.0 %

REVISION HISTORY:

Revision No.	Effective Date	Revision Description	Change Control No.
00	04/08/2021	First Issuance	N A

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