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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: Zinc Sulphate Heptahydrate USP

Page No.: 1 of 3

Specification No.:
ACPL/FP/SP/015

Revision No.:
00

Effective Date
22/09/2021

Review Date
21/09/2024


Change Control No.

NA

Prepared By: 

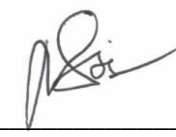
Date: 18/09/2021

Name : Pankaj Patel
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Reviewed By: 

Date: 20/09/2021

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Approved By: 

Date: 21/09/2021

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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: 7446-20-0**6.0 MOLECULAR FORMULA:** $ZnSO_4 \cdot 7H_2O$ **7.0 MOLECULAR WEIGHT:** 287.5gm/mol.**8.0 CATEGORY:** Astringent.**9.0 STORAGE:** Preserve in tight containers.**10.0 SAFETY PRECAUTIONS TO BE TAKEN WHILE SAMPLING AND HANDLING :**

Use hand gloves, goggles and apron during Handling.

11.0 CONTROL SAMPLE: 3 X 100gm.**UNCONTROLLED COPY****Format No.** QC/017/F/01-00**Certified By (Sign/Date) :**  22/09/2021

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TEST PARAMETERS AND SPECIFICATIONS**REF: USP**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Appearance	White or almost white, crystalline powder or colorless, transparent crystals, efflorescent.
2.	Solubility	Very soluble in water, practically insoluble in ethanol (96 %).
3.	Identification A Test for Zinc Identification B Test for Sulphate	To pass test To pass test
4.	Assay	55.6%–61.0% of zinc sulfate ($ZnSO_4$), corresponding to 99.0%–108.7% of zinc sulfate Heptahydrate ($ZnSO_4 \cdot 7H_2O$)
5.	Arsenic	Max. 14 ppm
6.	Lead	Max. 20 ppm
7.	Alkalies And Alkaline Earths	Max. 0.9 %
8.	Acidity	The Sample solution is not colored pink by methyl orange.

REVISION HISTORY:

Revision No.	Effective Date	Revision Description	Change Control No.
00	22/09/2021	First Issuance	N A

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