



## Certificate of Analysis

COMPLIES / PASSES

## SAMPLE INFORMATION

|                     |                               |                    |                   |
|---------------------|-------------------------------|--------------------|-------------------|
| Name of Product:    | Liposomal Glutathione Capsule | Date of Sampling:  | 20/11/2025        |
| Generic Name:       | Liposomal Glutathione Capsule | Date of Release:   | 27/11/2025        |
| Batch No.:          | CF325001                      | STP No.:           | STP/FP/III/047-00 |
| Batch Size:         | 13,000 NOS                    | Specification No.: | SP/FP/III/047-00  |
| Manufacturing Date: | NOV. / 2025                   | Sample Quantity:   | 120 Capsules      |
| Expiry Date:        | OCT. / 2027                   | A.R. No.:          | FP/III/F/250001   |

## RESULTS

| Parameter   | Specification   | Result  | Status |
|---|---|---|--------|
| <b>Physical &amp; Identification</b>  |   |   |        |
| Description<br><i>White colour cap &amp; body HPMC capsule containing off white granular powder</i> | White colour cap & body HPMC capsule containing white granular powder | White colour cap & body HPMC capsule containing off white granular powder | PASS   |
| Identification (HPLC)<br><i>Retention time matches standard preparation</i>                         | Complies with standard preparation                                    | Complies  | PASS   |
| <b>Physical Parameters</b>  |   |   |        |
| Disintegration Time<br><i>NMT 30 minutes</i>  | NMT 30 minutes  | 12 min 10 sec   | PASS   |
| Average Net Content per Capsule   | 650.0 mg $\pm$ 7.5% w/w   | 657.0 mg  | PASS   |
| Uniformity of Net Weight  | 7.50% w/w   | +2.18%, -2.21% w/w  | PASS   |
| <b>Assay</b>  |   |   |        |
| Liposomal Glutathione (per HPMC Capsule)<br><i>Each HPMC capsule contains NLT 650.0 mg</i>          | NLT 650.0 mg  | 704.9 mg (108.4%)   | PASS   |
| <b>Microbial Enumeration Tests</b>  |   |   |        |
| Total Bacterial Count   | NMT 100 CFU/gm  | 20 CFU/gm   | PASS   |
| Total Fungal Count  | NMT 10 CFU/gm   | Nil   | PASS   |
| <b>Tests for Specified Micro-organisms</b>  |   |   |        |
| <i>E. coli</i>  | Should be Absent / gm   | Absent / gm   | PASS   |
| <i>Salmonella spp.</i>  | Should be Absent / 10 gm  | Absent / 10 gm  | PASS   |
| <i>Pseudomonas aeruginosa</i>   | Should be Absent / gm   | Absent / gm   | PASS   |
| <i>Staphylococcus aureus</i>  | Should be Absent / gm   | Absent / gm   | PASS   |

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**CERTIFICATE OF ANALYSIS**




**Overall Result: The sample COMPLIES as per above Specification.**

**CONCLUSION**

The Liposomal Glutathione Capsule (Batch No. CF325001) was analyzed in accordance with the standard test procedures stipulated in STP/FP/III/047-00. All parameters tested, including physical description, identification by HPLC, disintegration time, content uniformity, assay, microbial enumeration, and tests for specified micro-organisms, were found to be within the prescribed acceptance criteria.

**The present product is assessed as complying with the requirements in the course of the tests carried out.**

**AUTHORISATION**

| Analyzed By   | Checked By  | Approved By   |
|---|---|---|
| Name<br><i>Monotar Singh Rawat</i>  | Name<br><i>Utpal Kumar</i>  | Name<br><i>Faiz Luddin</i>  |
| Signature<br> | Signature<br> | Signature<br> |
| Date<br><i>27/11/2025</i>   | Date<br><i>27/11/2025</i>   | Date<br><i>27/11/2025</i>   |
| 27/11/2025  | 27/11/2025  | 27/11/2025  |



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