

CERTIFICATE OF ANALYSIS

| Product Name: Batch Quantity: Mfg Date: | | L-Glutathione Reduced | | | |
|---|-------|--|--------------------|-----------------------------|--|
| | | 500kg | Batch Number: | 230702 Jul.2.2025 | |
| | | Jul.2.2023 | Exp Date: | | |
| Analysis Item | | Specification | Result | Analytical Method reference | |
| Appearance | | White or almost whit crystalline powderr | powder | Visual | |
| Identification IR | | Conforms to the Reference Spectrum | Reference Spectrum | USP43 | |
| Appearance of solution | | Freely soluble in wate very slightly soluble i ethanol and in methylen chloride | n Complias | Visual | |
| Assay% | | 98.0 to 101.0 | 98.2 | USP43 | |
| Related | Total | Maximum 2.0% | 1.45% | USP43 | |
| compounds | GSSG | Maximum 1.5% | 0.62% | USP43 | |
| Bulk Density g/ml | | ≥0.20 | 0.3575 | USP43 | |
| Tapped Density g/ml | | ≥0.40 | 0.6801 | USP43 | |
| Total impurities % | | ≤2.0 | 0.5 | UPS43 | |
| L-glutathione oxidized % | | ≤1.5 | 0.2 | UPS43 | |
| Loss on drying % | | ≤0.5 | 0.251 | UPS43 | |
| Residue on Ignition % | | ≤0.1 | <0.1 | UPS43 | |
| S.O.R | | -15.5 ° ~-17.5 ° | -16.87 ° | UPS43 | |
| Infrared | | Positive | Positive | UPS43 | |
| Ammonium ppm | | ≤200 | <200 | UPS43 | |
| Chloride ppm | | ≤200 | <200 | UPS43 | |
| Sulfate ppm | | ≤300 | <300 | UPS43 | |
| Iron ppm | | ≤10 | <10 | UPS43 | |
| Heavy metals ppm | | ≤10 | <10 | UPS43 | |
| Arsenic ppm | | ≤2.0 | <2.0 | UPS43 | |
| Cadmium ppm | | ≤1.0 | <1.0 | UPS43 | |
| Lead ppm | | ≤3.0 | <3.0 | UPS43 | |
| Mercury ppm | | ≤1.0 | <1.0 | UPS43 | |
| Total Plate count cfu/g | | ≤1000 | <10 | Conformed | |
| Molds and Yeast cfu/g | | ≤100 | <10 | Conformed | |
| Coliforms cfu/g | | ≤30 | <10 | Conformed | |
| E.Coli | | Negative/10g | Negative | Conformed | |
| Staphylococcus Aureus | | Negative/10g | Negative | Conformed | |
| Salmonella | | Negative/10g | Negative | Conformed | |

| | The product is contained in a Low-density polyethylene bag(food grade). | | | |
|------------|--|--|--|--|
| Packaging | The inner bag is contained in cardboard drum,20kg per drum. | | | |
| Storage | Store in cool & dry place . Do not freeze. Keep away from strong light and heat. | | | |
| Shelf life | 2 years when properly stored. | | | |
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Quality Assurance: Lia