# CERTIFICATE OF ANALYSIS

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|---|---|---|---|---|---|
| **Name of product:** | **Glutathione & selenium** | | | | |
| **Packaging Lot # :** | **M2500518/1** | **Master Packaging Record #** | | **Expiry Date :** | **08/2028** |
| | | **MPR** | **MA-N127-90-V0** | | |
| **Manufacturing Lot # :** | **M2500518** | **Master Manufacturing Record #:** | | **MFG Date:** | **09/2025** |
| | | **MMR** | **MA-N127-V0** | | |
| **Storage Conditions:** | Store at room temperature ( R.T ), in closed dry containers and Keep away from high temperature & moisture. | | | | |
| **Physical Description:** | White powder in clear Veggie "2" capsules. | | 90 count in Bottle-150 cc-38/400 White HDPE Round with Cap-38-400 white HIS P/P, top dot, plain liner. | | |

**Physical Tests:**

| TESTES | Results | Specifications Low | Target | High | Strength | Method |
|---|---|---|---|---|---|---|
| Average Wt. of Capsules | 295 mg | 279 | 310 | 341 | mg | USP <2091> |
| Wt. variation of Capsules | Conforms | Conforms as per USP weight variation +/- 10 % | | | | USP <2091> |
| Odour & Taste | Conforms | Characteristic, Conforms to Standard | | | | Visual, Olfactory |
| Disintegration | 04 mins | NMT 30 | | | min | USP <2040> |
| **IDENTITY** | Conforms | Conforms to standard | | | | Organoleptic |

| **Quantity / Potency :** | **Results** | | **Low** | **Target** | **High** | **Strength** | **Method** |
|---|---|---|---|---|---|---|---|
| **By Qualitative Analysis** | | | | | | | |
| Selenium (Selenomethionine) | 51.68 | mcg | 45.00 | 50.00 | 62.50 | mcg | JPL-375.00 (ICP-OES) |
| L-Glutathione (Glutathione) | 205.98 | mg | 160.00 | 200.00 | 240.00 | mg | JPL-252.00 (HPLC) |

| | |
|---|---|
| **NON-MEDICINAL INGREDIENTS** | Rice Powder, Empty Clear Vegetable Capsule Size "2" |

**Purity:**

| **MICRO:** | **Results** | **Limits** | **Method** |
|---|---|---|---|
| Total Plate Count | <10 c.f.u / g | < 3,000 c.f.u / g | USP <2021/2022> |
| Total Yeast | <10 c.f.u / g | < 300 c.f.u / g | USP <2021/2022> |
| Total Mold | <10 c.f.u / g | < 300 c.f.u / g | USP <2021/2022> |
| E.Coli | Not Detected | Not Detected | USP <2021/2022> |
| Salmonella Spp | Not Detected | Not Detected | USP <2021/2022> |
| Staphylococcus Aureus | Not Detected | Not Detected | USP <2021/2022> |
| **HEAVY METALS:** | **Results** | **Limits - 3 capsules / day** | **Method** |
| Arsenic | <0.0001 mcg / kg b.w./day | < 0.14 mcg / kg b.w./day | ICP-MS |
| Cadmium | <0.0001 mcg / kg b.w./day | < 0.09 mcg / kg b.w./day | ICP-MS |
| Lead | 0.0003 mcg / kg b.w./day | < 0.14 mcg / kg b.w./day | ICP-MS |
| Total Mercury | <0.0001 mcg / kg b.w./day | < 0.29 mcg / kg b.w./day | ICP-MS |
| **SOLVENT RESIDUES :** | Complies | Meets USP requirements | USP/GC |

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**Quality Assurance**