# CERTIFICATE OF ANALYSIS

| | | | | | |
|---|---|---|---|---|---|
| **Name of product:** | **Iron complex** | | | **NPN** | **80142867** |
| **Packaging Lot # :** | **M2500599/1** | **Master Packaging Record #** | | **Expiry Date :** | **10/2028** |
| | | **MPR** | **MA-N867-60-V0** | | |
| **Manufacturing Lot # :** | **M2500599** | **Master Manufacturing Record #:** | | **MFG Date:** | **11/2025** |
| | | **MMR** | **MA-N867-V0** | | |
| **Storage Conditions:** | Store at room temperature ( R.T ), in closed dry containers and Keep away from high temperature & moisture. | | | | |
| **Physical Description:** | Light Brown Color Powder In Empty Clear Veg Capsules Size"2" | 60 count in Bottle-150 cc 38/400 white HDPE Round,Cap-38-400 White HIS P/P, ribbed, plain liner. | | | |

**Physical Tests:**

| TESTES | Results | Specifications Low | Target | High | Strength | Method |
|---|---|---|---|---|---|---|
| Average Wt. of Capsules | 412 mg | 387 | 430 | 473 | mg | USP <2091> |
| Wt. variation of Capsules | Conforms | Conforms as per USP weight variation +/- 10 % | | | | USP <2091> |
| Disintegration | 04 Min | NMT 30 | | | min | USP <2040> |
| **IDENTITY** | Conforms | Conforms to standard | | | | FTIR |

| **Quantity / Potency :** | **Results** | | **Low** | **Target** | **High** | **Strength** | **Method** |
|---|---|---|---|---|---|---|---|
| Folate(L-5 methyltetrahydrofolate calcium Salt) | 602.12 | mcg | 540.00 | 600.00 | 900.00 | mcg | JPL-039 (HPLC) |
| Iron as (Iron Bisglycinate) | 34.00 | mg | 30.60 | 34.00 | 42.50 | mg | Certified Input |
| Vitamin B12 (Methylocobalamin) | 350.00 | mcg | 315.00 | 350.00 | 525.00 | mcg | Certified Input |
| Vitamin B6 - (Pyridoxal-5- Phosphate) | 2.00 | mg | 1.80 | 2.00 | 3.00 | mg | Certified Input |
| Vitamin C - (Ascorbic Acid) | 99.68 | mg | 90.00 | 100.00 | 125.00 | mg | USP<580> (HPLC) |
| NON-MEDICINAL INGREDIENTS | Microcrystalline Cellulose, Empty Clear Vegetable Capsule Size "2" | | | | | | |

**PURITY:**

| **MICRO:** | **Results** | **Limits** | **Method** |
|---|---|---|---|
| Total Plate Count | <10 CFU/g | < 3,000 c.f.u / g | USP<2021>/AOAC |
| Total Yeast | <10 CFU/g | < 300 c.f.u / g | USP<2021>/AOAC |
| Total Mold | <10 CFU/g | < 300 c.f.u / g | USP<2021>/AOAC |
| E.Coli | Not Detected | Not Detected | USP<2022>/AOAC |
| Salmonella Spp | Not Detected | Not Detected | USP<2022>/AOAC |
| Staphylococcus Aureus | Not Detected | Not Detected | USP<2022>/AOAC |

| **HEAVY METALS:** | **Results** | **Limits - 1 capsule / 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 | 0.0001 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 |

**Prepared by:** Sneha Jan 1st 2026

**Approved by:** L Shargaw.R Jan 1st 2026

**Quality Assurance**