CERTIFICATE OF ANALYSIS

Manufactured for	**Mackisen**				
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: Bhargavi Jan 05 2026

Quality Assurance

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CERTIFICATE OF ANALYSIS

Manufactured for	**Mackisen**				
Name of product:	**Iron complex**			**NPN**	**80142867**
Packaging Lot # :	**M2500599/2**	**Master Packaging Record #**		**Expiry Date :**	**10/2028**
		MPR	**MA-N867-120-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"	120 count in Bottle-250 cc 45/400 white HDPE Round,Cap-45-400 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/05/2026

Approved by: Shargav.K Jan/05/2026

Quality Assurance

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