

# VITACARE PHARMA

RFS-1

## QC ANALYSIS - PRODUCT TEST SPECIFICATION

PRODUCT NAME: Liposomal NMNH 250 mg DRCapsules

VC CODE # VC4617

BATCH # 24K036

MFG. DATE: 11/2024

BATCH SIZE: 92,000 EA

No.	TEST	SPECIFICATION	METHOD	RESULT (In-Process)	RESULT (Finished)	REFERENCE #
1.	Identification (FTIR)	IR spectra of blend compares qualitatively to the IR spectra of the Standard	FTIR	OK		AP 12/02/24 UB#13/24/18
2.	Appearance	White to off-white powder in clear DR vegetarian capsule - Compare to standard	Visual/ Organoleptic	CONFORM	CONFORM	Visual
3.	Size & Shape	#0 Clear DR VCapsule	Visual	CONFORM	CONFORM	Visual
4.	Target Weight	480 mg (range 432 - 528 mg)	USP/NF <2091>	493mg	496mg	UB#04/2024/426 UB#04/2024/429
5.	Disintegration	> 30 min. in water w/out disks	USP/NF <2040>	CONFORM	CONFORM	UB#04/2024/95 - UB#04/2024/96 DT 52min DT 50min

- For Microbial analysis, sample sent to ML on 12/13/24 ✓
- For Heavy metal analysis, sample sent to HLO on 12/13/24 ✓
- For Assay analysis, sample sent to ML on 12/13/24

RELEASED: YES/NO

REMARKS:

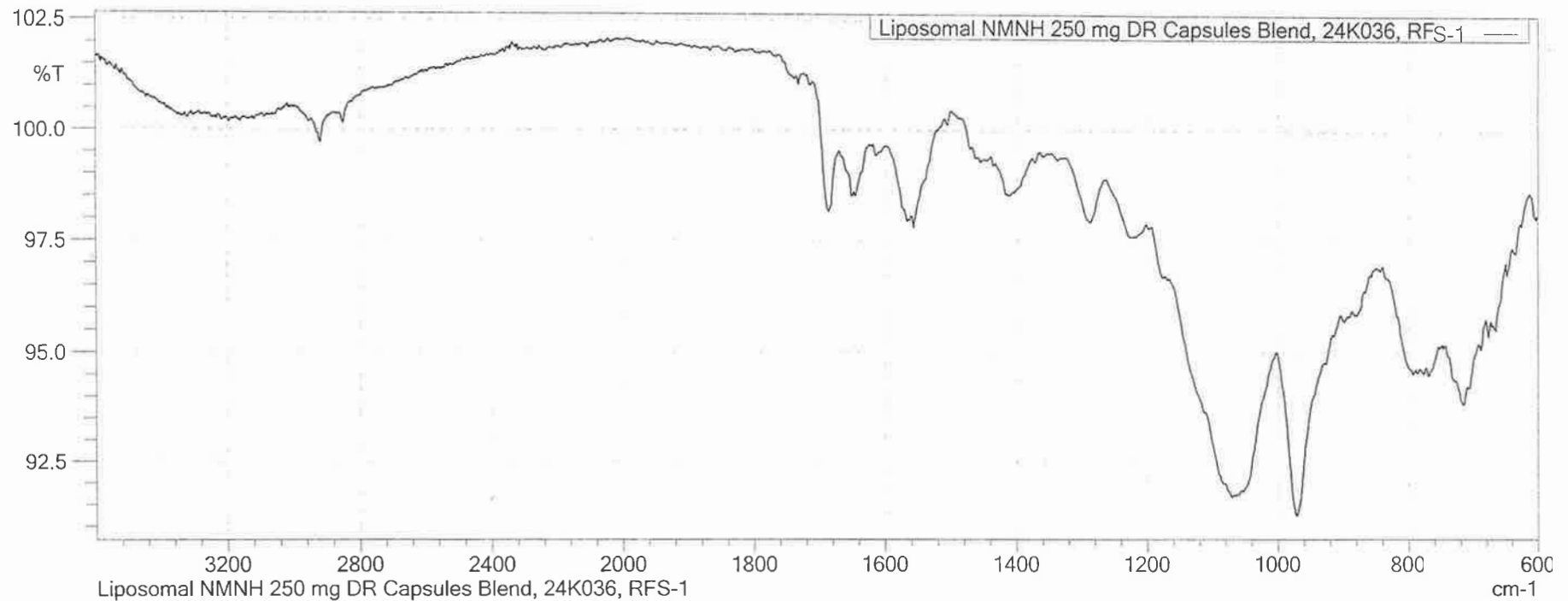
NA

Performed By/Date: NS 12/13/24

Released By/Date: NS 12/13/24

(QC Lab)

(Quality)



Item	Value
Acquired Date&Time	12/2/2024 12:19:33 PM
Acquired by	Shimadzu Tech Support
Filename	VC CODE# VC4617 Liposomal NMNH 250 mg DR Capsules - 1-1-2 - Liposomal NMNH 250 mg DR Capsules Blend, 24K036.ispd
Spectrum name	Liposomal NMNH 250 mg DR Capsules Blend, 24K036, RFS-1
Sample name	VC CODE#VC4617
Sample ID	BATCH#24K036
Option	In Process Blend
Comment	Liposomal NMNH 250 mg DR Capsules Blend, 24K036, RFS-1
No. of Scans	45
Resolution	4 [cm-1]
Apodization	Happ-Genzel

Acquired By:

AP  
12/02/24

Approved By:

JG

Date:

12/02/24



# Certified Laboratories

A Certified Group Company

Specializing in Cosmetics, OTC, Dietary Supplements and Toys/Gadgets

3125 N. Damon Way • Burbank, California 91505

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Test Lab Cert 3034.01

**Customer:** VitaCare Pharma  
**Address:** 111 Skyline Drive South  
South Plainfield, NJ 07080

<b>Received From:</b>	South Plainfield, NJ
<b>Received Date:</b>	12/18/24
<b>Release Date:</b>	12/27/24
<b>PO #</b>	N/A

## MICROBIOLOGICAL CERTIFICATE OF ANALYSIS

**Sample Name:** LIPOSOMAL NMHM 250 MG DR CAPSULES

**Product Code:** VC4617

**Batch/Lot #:** 24K036

**Accession #:** 1856064

**Description:** FG

Analyte:	Result:	Method:	Test Date:	Comment:
TPC	<10cfu/gm	TM-01 (USP61)	12/18/24	N/A
Yeast/Mold	<10cfu/gm	TM-01 (USP61)	12/18/24	N/A
Coliforms	<10cfu/gm	TM-01A (USP62)	12/18/24	N/A
E.coli	Absent/10g	TM-01A (USP62)	12/18/24	N/A
S.aureus	Absent/10g	TM-01A (USP62)	12/18/24	N/A
Salmonella spp.	Absent/10g	TM-01A (USP62)	12/18/24	N/A

Prepared By: Erika Zayas/ Document Control Lead

Reviewed By: Richard Valle/Senior Microbiologist  
Supervisor

DEC 27 2024

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## CERTIFICATE OF ANALYSIS

Company Name & Address:  
VitaCare Pharma LLC  
111 Skyline Drive  
South Plainfield, NJ 07080

Lab Control Number: CH12032724  
CoA Date: 12/24/24  
PO # (if applicable): NA  
Date Received: 12/16/24

**PRODUCT NAME:** Liposomal NMNH 250mg DR Capsules  
**LOT NUMBER:** VC4617/24K036  
**DESCRIPTION:** #0 clear/clear capsules with off-white powder fill  
**AVERAGE WEIGHT:** 502.53 mg

TEST	METHOD	SPECIFICATION	RESULT	NOTEBOOK REFERENCE
Arsenic (As)	SOP-TP-79 (ICP-MS)	< 1.5 ppm	0.6503 ppm	LB 6F35/74 & 75
Cadmium (Cd)	SOP-TP-79 (ICP-MS)	< 0.5 ppm	0.0137 ppm	LB 6F35/74 & 75
Lead (Pb)	SOP-TP-79 (ICP-MS)	< 1.0 ppm	0.2432 ppm	LB 6F35/74 & 75
Mercury (Hg)	SOP-TP-79 (ICP-MS)	< 1.5 ppm	0.2933 ppm	LB 6F35/74 & 75

Approved by:

Director, Health Level One Inc.,

12/24/24

Date



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3125 N. Damon Way Burbank, California 91505

Phone: (818) 845-0070

E-Mail: MQL\_Customer\_Service@certifiedgroup.com

**Customer:** VitaCare Pharma  
**Address:** 111 Skyline Drive South  
South Plainfield NJ 07080

## ANALYTICAL/CHEMICAL CERTIFICATE OF ANALYSIS

Sample Name: **LIPOSOMAL NMNH 250 MG DR CAPSULES**  
Product Code: VC4617  
Batch Lot #: 24K036  
Accession #: 241218-0051

PO# : N/A  
Sample Description : FG  
Rush: N/A  
Received Date: 12/17/24

Test Requested:	Test Method:	Specification:	Results:
B-Nicotinamide Mononucleotide (NMNH)	Customer Method By HPLC	N/A	Positive ID for NMNH, sample matches standard for retention time.

Prepared By:

**MAR 06 2025**

Diana Zavala/Document Control Specialist

03/06/25

Reviewed By:

**MAR 06 2025**

Zane Queen /Quality Assurance Coordinator

03/06/25

The aforementioned results on this report are representative of the samples submitted and may not be indicative of the entire manufacture, batch, and/or lot. Applicable current GMP's shall always be used when sampling. GLP's shall always be practiced by Certified Laboratories to ensure the most accurate results.

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# VitaCare Pharma

## CERTIFICATE OF ANALYSIS

<b>Product:</b>	Liposomal NMNH 250 mg DRCapsules
<b>VC Code #</b>	VC4617
<b>Batch #</b>	24K036
<b>Date of Manufacture:</b>	11/2024

	SPECIFICATIONS	RESULTS	METHOD OF ANALYSIS
<b>Physical Testing:</b>			
Description:	White to off-white powder in clear DR vegetarian capsule	Conforms	Visual
Size & Shape:	#0 Clear DR VCapsule	Conforms	Visual
Target Weight:	480 mg (range 432 - 528 mg)	496 mg	USP/NF <2091>
Disintegration:	> 30 min. in water w/out disks	50 Min	USP/NF <2040>

	SPECIFICATIONS	LIMIT (% LABEL CLAIM)	RESULTS	METHOD OF ANALYSIS
<b>Ingredients per Capsule:</b>				
Reduced $\beta$ -Nicotinamide mononucleotide (NMNH)	250.000 mg	NLT 90%	100.00%	* Verified Input

**Other ingredients:** Vegetable Cellulose, Gellan Gum, Pectin (Capsule), Phospholipid blend (from NON-GMO Sunflower Lecithin), Microcrystalline Cellulose, L-Leucine (Fermentation), Silicon Dioxide, Magnesium Stearate

**Allergen: NONE**

**Recommended Storage Condition:** Store in a well closed container, preferably at 20°-25° C (68°-77°F) excursions permitted to 15°-30°C (59°-86°F), in a cool, dry place. Avoid excessive heat, light & moisture.

### MICROBIOLOGICAL PROFILES: (USP/NF <2023>)

	Specifications	Results†	Method of Analysis
Total Microbial Count	< 10,000 cfu/g	< 10 cfu/g	AOAC
Total Yeast & Mold	< 1,000 cfu/g	< 10 cfu/g	AOAC
Coliforms	< 100 cfu/g	< 10 cfu/g	AOAC
E.coli	Negative/10 g	Absent/10 g	AOAC
Salmonella	Negative/10 g	Absent/10 g	AOAC
Staphylococcus aureus	Negative/10 g	Absent/10 g	AOAC

### HEAVY METALS: (USP/NF <2232>)

	Specifications	Results	Method of Analysis
Lead	<1.0 ppm	0.2432 ppm	ICP/MS
Arsenic	<1.5 ppm	0.6503 ppm	ICP/MS
Mercury	<1.5 ppm	0.2933 ppm	ICP/MS
Cadmium	<0.5 ppm	0.0137 ppm	ICP/MS

### NOTES:

† Microbiological results at the time of release.

\* Verified Input means ensured by using corresponding raw material testing, executed batch production record verification, in-process quality control, mixing studies and documentation control.

<b>Issued By/Date:</b> (Vipul Govekar/QC Lab)	<i>VG</i> 03/07/25	<b>Approved By/Date:</b> (Manav Shah/Quality)	<i>Manav</i> 03/07/25
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111 Skyline Drive, South Plainfield, NJ-07080

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www.vitacarepharma.com VC4617 Liposomal NMNH 250 mg DRCaps-COA