

Report Issued To: Natrium Health, 82055 S. Priest Dr #11750, Tempe, AZ 85284

Product Information			
Product Name:	OptiNAD+ Optimized Nicotinamide Adenine Dinucleotide	CoA #:	ND-25-360
Product Size:	60 count	Lot Number:	OPNCS1042425
Production Date:	04/24/2025	Capsule Batch #:	OPNCSLL1024AR
Report Date:	04/24/2025	Capsule Material:	Acid Resistant
Best By Date:	04/2028	Capsule Size	Size 00
Appearance:	Yellow powder in clear capsule	Capsule Color:	Clear
Other Ingredients:	Microcrystalline Cellulose 101, Silicon Dioxide, Stearic acid		

Organoleptic Testing Results:

Test	Specification	Result	Pass/Fail
Color	Org. Tube # 2067	Conforms	Pass
Smell	Org. Tube # 2067	Conforms	Pass

Physical Testing Results:

Test	Specification	Result	Pass/Fail
Capsule Fill Weight	≥700mg/capsule	765.5mg/capsule	Pass
Capsule Mass Test	USP <2091> Test 1	820mg/capsule	Pass

Ingredients

Ingredient Name	Content	Raw Material Batch #	Raw Material Spec #
Apigenin 98%	50mg/serving	APN0570723	284_v1
Nicotinamide Mononucleotide	200mg/serving	NMN0160324	201_v5
β-nicotinamide adenine dinucleotide disodium (NADH)	10mg/serving	NADH0090123	299_v2
Betaine HCl (Trimethyl Glycine)	500mg/serving	BET0090423/BET0090824	298_v2
Nicotinamide Riboside	200mg/serving	NMR0251024	288_v3
Quercetin (95% Anhydrous Extract)	250mg/serving	QRG0140423	272_v2

Analytical Testing

Test	Method	Methodology	Specification	Result	Pass/Fail
Identity Apigenin (<i>Citrus aurantium</i> , Fruit)	LAB TM-001	FTIR	Matches to Reference Material	Conforms	Pass
Identity - Nicotinamide mononucleotide (NMN)	LAB TM-001	FTIR	≥95% Match	99% Match	Pass
Identity NADH	LAB TM-001	FTIR	≥95%	Conforms to Reference Standard	Pass
Identity Betaine HCl	LAB TM-001	FTIR	≥95%	100% Match	Pass
Identity Nicotinamide Riboside	LAB TM-001	FTIR	≥95% match	99% match	Pass
Identity Quercetin	LAB TM-001	FTIR	Conforms to Reference Standard	Conforms	Pass
Assay - Apigenin (dry basis)	LAB TM-190	LC-MS	≥ 25mg/capsule	27mg/capsule	Pass
Assay - NMN (Dry Basis)	LAB TM-118	UV-Vis	≥ 100mg/capsule	109mg/capsule	Pass
Assay - β-nicotinamide adenine dinucleotide disodium salt (dry basis)	TM0041	HPLC	≥5mg/capsule	5.5mg/capsule	Pass
Assay - sodium	ICP-MS Metals - USP <730> Apex Metals-011/Metals-008	ICP/ICPMS	≥0.33mg/capsule	0.36mg/capsule	Pass
Assay - Betaine HCl (as is basis)	TM0050/HPLC	HPLC	≥ 250mg/capsule	256.4mg/capsule	Pass
Assay - Nicotinamide Riboside (as is)	TM0042	HPLC	≥ 100mg/capsule	103.3mg/capsule	Pass

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Test	Method	Methodology	Specification	Result	Pass/Fail
Assay -Quercetin (as is basis)	LAB TM-120	UPLC	≥125mg/capsule	139mg/capsule	Pass
Heavy Metals	ICP-MS Metals - USP <233>/<730> Apex Metals-011/Metals-008	ICP/ICPMS	< 0.5 ppm ea.	As 0.1167 ppm Cd 0.0463 ppm Hg 0.0131 ppm Pb 0.0465 ppm	Pass
Water Activity	LAB TM-012	Water Activity	< 0.73	0.27	Pass

Final Approval



Kennedy Enoch, Quality Liaison

