



## Certificate of Analysis

January 15, 2025

No. TP20250115-001

Subject: Certificate of Analysis

### General Information

Product Name	Nicotinamide Adenine Dinucleotide (NAD)		
CAS No.	53-84-9	Manufacture Date	Jan. 08 , 2025
Batch Number	EF250108002	Test Date	Jan. 15 , 2025
Standard	Enterprise standards	Expiry Date	Jan. 07 , 2027

Test Item	Specification	Test Method	result
Appearance	White to off-white powder	Visual inspection	White powder
Solubility	Soluble in water	Visual inspection	Soluble in water
Purity	>99.0%	HPLC	99.60%
Assay (on dried basis)	98.0%-102.0%	HPLC	99.49%
Water content	<8%	Karl Fischer	6.98%
Pb (ppm)	<0.5ppm	GB 5009.12	Conforms
As (ppm)	<0.5ppm	GB 5009.11	N.D.
Hg (ppm)	<0.5ppm	GB 5009.17	N.D.
Cd (ppm)	<0.5ppm	GB 5009.15	N.D.
Total microbial count	<300 CFU/g	GB 4789.2	Conforms
E.col	Not detected	GB 4789.38	N.D.
Yeas and mold	<10 CFU/g	GB 4789.15	N.D.
Salmonella	Not detected	GB 4789.4	N.D.
Staphylococcus aureus	Not detected	GB 4789.10	N.D.
Conclusion:	The product conforms to above specifications.		
transport conditions	Keep sealed, dry and away from light for transportation under room temperature.		
Storage conditions	Keep sealed and dry for long term storage at 2 °C to 8°C		

We declare that given information on the above are true and correct to the best of our knowledge.

Yours Sincerely,

Jack Jaewoo Kim  
Founder / CEO TruePharmaceutical