

CERTIFICATE OF ANALYSIS 产品检测报告

Product information 产品信息

Product Name (品名): β -nicotinamide adenine dinucleotide phosphate (Coenzyme-II, β -NADP⁺) monosodium salt
烟酰胺腺嘌呤二核苷酸磷酸一钠盐 (氧化型)

Batch No. (批号): BT03M223L024

Production Date (生产日期): Oct, 23rd, 2023

CAS No.: 1184-16-3

Expiry Date (有效日期): Oct, 22nd, 2025

Test Items and result 检测项目及结果

Test items (检测项目)	Specification (质量标准)	Test method (检测方法)	Results (检测结果)
Appearance 外观	White to yellowish powder	Visual inspection	Conform
Purity 纯度	$\geq 95\%$	HPLC	98.4%
Assay of β -NADP (enzym.) 含量(无水无钠)(calc. on sodium-free and dry basis)	$\geq 90\%$	UV	99.5%
Assay of β -NADP, Na ₂ (enzym.) 含量(无水)(calc. on dry basis)	$\geq 86\%$	UV	98.2%
Sodium contents 钠离子含量	2.0-4.0%	IC	3.86%
Water contents 水分含量	$\leq 8\%$	KF	4.08%
pH (100mg/ml water)	2.0-4.0	pH(C=100mg/mL)	3.52
Spectral analysis 光谱学检测	/	/	/
1. ϵ at 260nm and pH 7.5	$(18.0 \pm 1.8) \times 10^3$ L/mol/cm	UV	17.5×10^3 L/mol/cm
2. Ratio at pH 7.5 A250/A260	0.83 \pm 0.08	UV	0.82
A280/A260	0.21 \pm 0.02	UV	0.22
3. ϵ when reduced with glucose-6-phosphate dehydrogenase at 340nm and pH 7.5	$(6.2 \pm 0.6) \times 10^3$ L/mol/cm	UV	6.2×10^3 L/mol/cm
4. Ratio when reduced with glucose-6-phosphate dehydrogenase at pH 7.5 A340/A260	0.43 \pm 0.04	UV	0.42
Conclusion 结论	Conformable to all requested specifications (符合所有质量要求)		

Packaging and storage conditions 包装及储存条件

Packaging 包装:

 Aluminum foil bag (铝箔袋) Food grade PE bag (食品级聚乙烯) Carton box (纸板箱) Drum (纸板桶)

Transport conditions 运输条件:

Keep sealed, dry and protected from light for transportation under room temperature

(在室温下保持密封干燥和避光运输)

Storage conditions 储存条件:

Keep dry and away from light, long term storage at -25°C to -15°C

(阴凉处密封避光干燥保存, 长期保存应置于-25°C to -15°C)

Shelf life 保质期: Two years (两年)

Supervisor: **Powered by BONTAC
enzyme catalytic technology

bsi.

受控文件



表单编号: HQA-F-SOP03-02-V2