东北制药集团股份有限公司
NORTHEAST PHARMACEUTICAL GROUP CO., LTD
No.29 Shenxiliu Dong Road, Economic Technology Development District, Shenyang, .P.R China. Post code : 110869 FAX: 024-22724536 TEL:024-22721818

CERTIFICATE OF ANALYSIS

ACETYL L-CARNITINE HCL

BATCH NUMBER	DY0542600026	**MANUFACTURE DATE**	Apr.11.2026
BATCH SIZE	1000kg	**TEST DATE OF APPLICATION**	Apr.12.2026
QUANTITY	40Cartons	**RETEST DATE**	Apr.10.2028

	Analysis Items	Specifications	Analysis Results
1.	Characteristics	White crystalline powder	White crystalline powder
2.	Identification	IR:Complies	Complies
3.	Specific Rotation	-26° ~ -29°	-28°
4.	Acidity (pH)	2.3～2.6	2.5
5.	Loss on Drying	≤0.5%	0.11%
6.	Residue on Ignition	≤0.5%	0.04%
7.	Heavy Metals	≤0.001%	< 0.001%
8.	Cyanide	Meets the Requirements	Meets the Requirements
9.	Arsenic	≤0.0001%	< 0.0001%
10.	Assay	98.5%～101.0%	99.7%
11.	The total aerobic microbial count(TAMC)	≤10^3cfu/g	< 10cfu/g
12.	The total combined yeasts and moulds count(TYMC)	≤10^2cfu/g	< 10cfu/g
13.	Escherichia coli	Not detected /g	Not detected
14.	Staphylococcus aureus	Not detected /g	Not detected
15.	Salmonella	Not detected /10 g	Not detected
16.	Residue Solvents	Ethanol≤0.5% Acetone≤0.5% Ethyl acetate≤0.5%	0.1006% 0.0005% 0.0006%

We, **Northeast Pharmaceutical Group Co.，Ltd.**, certify that this batch of **ACETYL L-CARNITINE HCL** meets the requirements of **Inhouse Standards.**

Supervisor
Final Batch Disposition 路阳 2026.04.28

Approved

By: 马红芳 2026.04.28

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