

# Jiangsu Khonor Chemicals Co., Limited

Rm 1902 Easey Comm Bldg, 253-261, Hennessy RD Wanchai HK

## Certificate of Analysis

Product Name	L-5-Methyltetrahydrofolate Calcium		
Batch No.	XWH20260212	Formula	C <sub>20</sub> H <sub>23</sub> CaN <sub>7</sub> O <sub>6</sub>
Quantity	100kg	Dosage form	Powder
Manufacture Date	Feb 12, 2026	Expiry Date	Feb 11, 2028

ITEM项目	SPECIFICATION	RESULT
IR	1.The infrared absorption spectrum of this product should be consistent with the absorption spectrum of the standard product. The positions of the absorption peaks in the group frequency region and the fingerprint region should correspond one to one. The deviation of the wave number below 1000cm <sup>-1</sup> should not exceed ±0.5%, and the deviation of other wave numbers should not exceed ±10cm.	Conform
HPLC	2. In the chromatogram obtained under the content determination item, the retention time of the main peak of the test solution is consistent with the retention time of the main peak of the reference solution.	Conform
Calcium	3. Should comply with calcium salt identification reaction.	Conform
Appearance	4. Off-white to light yellowish crystalline powder.	White powder
D - 5 -Methylfolate	≤1.0%	Not detected
Assay On Anhydrous Basis	95.0%~102.0%	98.7%
Water Content	6.0%~17.0%	14.0%
Loss on drying	NMT 5.0%	3.55%
Calcium (On dry basis)	7.0%~8.5%	8.2%
Mesh Count	80	Conform
Chloride	≤0.5%	0.04%
Mercury	NMT 0.1 ppm	Conform
Arsenic	NMT 2ppm	Conform
Total Plate Count	NMT 1000 cfu/g	Conform
Yeast & Mold	NMT 100 cfu/g	Conform
E. Coli.	Negative	Conform
Salmonella	Negative	Conform
Staphylococcus	Negative	Conform
Residual Solvents	Ethanol ≤ 5000ppm	Not detected
	Isopropyl alcohol ≤ 5000ppm	Not detected

		Acetone≤5000ppm	Not detected
Related Substances		4-Aminobenzoylglutamic acid	≤0.5% 0.03%
		4a-Hydroxy-5-methyltetrahydrofolic acid	≤1.0% 0.17%
		(6S)Mefox	≤1.0% 0.12%
		Tetrahydrofolic acid	≤0.5% Not detected
		7,8-Dihydrofolic acid	≤0.5% Not detected
		Folic acid	≤0.5% 0.13%
		5,10-Methylenetetrahydrofolic acid	≤0.5% Not detected
		5-Methyltetrahydropteroic acid	≤0.5% 0.04%
		Dimethyltetrahydrofolic acid	≤0.15% 0.05%
		Total Impurities	≤2.5%. 0.54%
Elemental impurities	Boron	≤50 µg/g	Not detected
	Platinum	≤10µg/g	Not detected
	Arsenic	≤1.5µg/g	Not detected
	Lead	≤10 µg/g	0.08µg/g
	Cadmium	≤0.5µg/g	Not detected
	Mercury	≤0.1 µg/g	Not detected
Microbial limit	Total Plate Count	≤1,000 cfu/g	Conform
	Yeast&Mold	≤25 cfug	Not detected
	E.Coli; Salmonella; Staphylococcus aureus; Pseudomonas aeruginosa; Candida albicans; Clostridia	Not detected	Not detected
Results	Conforms to USP-NF 2024 Standard		
Storage Condition	Store in Aluminum bag and a dry place at room temperature		

Analyst: Devid Yan  
Approval: Yu Li

