



Zhengzhou Yuanli Biological Technology Co., Ltd.

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Certificate of Analysis

质量检验单

Product Name: L-5-Methyltetrahydrofolate calcium		Batch No.: 20200513
CAS No.: 151533-22-1		Quantity: 7kg
Manufacturing Date: 05/13/2020		Retest Date: 05/12/2022
Sampling Date: 05/14/2020		Report Date: 05/15/2020
Test Items	Requirements	Results
Appearance	White to light yellow crystalline powder	Complies
Specific rotation	[α] _{25D} (C=1.5% in water)	+25.7°
Loss on drying	≤0.5%	0.1%
Residue on ignition	≤0.5%	0.06%
Identification	HNMR	Complies
	HPLC	Complies
D-5-methylfolate	≤1.0%	0.18%
Related substances	Dimethyltetrahydrofolic acid ≤0.15%	0.10%
	Single impurity ≤1.0%	0.34%
	Total impurities ≤2.5%	1.50%
Residual solvent	Ethanol ≤5000 ppm	811 ppm
Water	≤16.0%	14.7%
Chloride	≤0.5%	Complies
Arsenic	≤1 ppm	<1 ppm
Boron	≤20 ppm	Complies
Heavy metals	≤20 ppm	Complies
Total plate count	≤100 cfu/g	Complies
Yeast & Mold	≤100 cfu/g	Complies
Salmonella	Negative	Negative
E.Coli	Negative	Negative
Calcium (on dry basis)	7.0-8.5%	7.9%
Assay (HPLC)	≥97.5%	98.5%
Conclusion	The product complies with Enterprise standard.	
Checker: Yunxiang Han	Rechecker: Jin Jin	Supervisor: Xuezhe Han

