



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-279170
Lot Number: SAMPLE
Product Name: Folic acid dihydrate
CAS Number: 75708-92-8
Molecular Formula: $C_{19}H_{19}N_7O_6 \cdot 2H_2O$
Molecular Weight: 477.44

Test	Result
Appearance	Yellow to orange crystalline powder
Assay (Anhydrous Basis)	98.10%
Chromatographic Purity	< 2.0%
Bulk Density	< 0.30 g/ml
Density	< 0.41 g/ml (Tapped)
Mesh Size	100% pass 100 mesh
pH	Complies
Residual Solvents	< 1000 ppm
Residue on Ignition	0.10%
Trace metal analysis	< 2 ppm
Absorbance	A256/A365 = 2.9
Organic Volatile Impurities	Consistent with requirements
Related Substances	D-Folic Acid: < 0.5%
Water Content (KF)	7.9%
E. Coli	Negative
Mold/Yeast	< 100 cfu/g
Salmonella	Negative
Total of Bacteria	< 1000 cfu/g

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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