

Certificate of Analysis

Product: Caffeine Powder
Item Number: CAFU
Grade: USP/FCC
Lot Number: 2260002(M-01)
Manufacture Date: 01/26/2022
Expiration Date: 01/25/2026
Country of Origin: United States

Tested Property	Specification	Analysis
Appearance	White powder	Conforms
Identification A and B	Pass the test	Passes
Appearance of solution	Clear and colorless	Clear and colorless
Organic Impurities: individual Impurity (%)	≤0.1	0.01
Total Impurities	≤0.1	0.02
Water	≤0.5%	0.21
Residue on Ignition	≤0.1%	0.05
Assay (on dried basis by HPLC)	98.5 - 101.5 %	100.11
Heavy metals (As, Cd, Pb, Hg) by ICP-MS	≤3 ppm	Not detected
Microbial test, total aerobic microbial	≤100 cfu/g	<10
Total yeast and mould count	≤10 cfu/g	<10
Total Coliforms	≤10 cfu/g	<10
Pathogens, Escherichia coli	Absent/g	Absent
Pseudomonas aeruginosa	Absent/g	Absent
Staphylococcus aureus	Absent/g	Absent
Candida Albicans	Absent/g	Absent
Salmonella	Absent/10g	Absent
Residual solvent, Chloroform	≤60 ppm	Not detected

Caffeine Powder

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