

Certificate of Analysis

Product: Caffeine Powder
Item Number: CAFU
Grade: USP/FCC
Lot Number: 5000782/1.1
Manufacture Date: 04/13/2023
Expiration Date: 04/12/2027
Country of Origin: China

Tested Property	Specification	Analysis
Appearance	White crystalline powder	Conforms
Identification A and B	Pass the test	Passes
Assay (on dried basis by HPLC)	98.5 - 101.5 %	99.7
Organic Impurities: individual Impurity	≤0.1 %	0.03
Total Impurities	≤0.1 %	0.03
Sulfate	≤500 ppm	<500
Heavy Metals (on Pb basis)	≤10 ppm	<10
Loss on drying	≤0.5 %	0.23
Residue on Ignition	≤0.1 %	0.05
Sulphated ash	≤0.1 %	0.05
Appearance of solution	Clear and colorless	Pass
Residual Solvents, Chloroform	≤60 ppm	<60
Acidity 0.01mol/L of NaOH, mL	≤0.2	<0.2
Melting point °C	234 - 239°C	236.7

[Caffeine Powder](#)

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for

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