

Certificate of Analysis

Product: Caffeine Powder
Item Number: CAFU
Grade: USP/FCC
Lot Number: 21101718
Manufacture Date: 10/23/2021
Expiration Date: 10/22/2025
Country of Origin: China

Tested Property	Specification	Analysis
Appearance	White crystalline powder	Conforms
Identification: IR	Conforms to reference spectrum	Conforms
Melting Point	234-239 °C	236.5 °C
Appearance of solution	Clear and colorless	Clear and colorless
Acidity (0.01mol/L NaOH,ml)	≤0.2	Conforms
Organic Impurities: individual Impurity (%)	≤0.1	0.02
Total Impurities	≤0.1	0.03
Sulfate	≤500 ppm	<500
Heavy Metals (on Pb basis)	≤0.001%	<0.001
Loss on drying	≤0.5%	0.23
Residue on Ignition	≤0.1%	0.01
Sulphated ash	≤0.1%	0.01
Residual solvents (Chloroform)	≤60 ppm	Conform
Assay (on dried basis)	98.5 - 101.5 %	100.1
Assay (on dried basis by HPLC)	98.5 - 101.5 %	99.8

This product is tested in accordance with BP2021/EP10.0/USP2021/R1-CEP 2003-027-Rev03.

[Caffeine Powder](#)

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory

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