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CERTIFICATE OF ANALYSIS

Name of the Sample : Caffeine for Biochemistry
Batch No. : 226316
Date of Mfg. : Feb 2023
Date of Exp : Jan 2028
Register No. : 2023-24
Qty of Sample : 100gm
Date of Analysis : Feb 2023

S. No	Test Parameters	Observed Values	Standard Values
1.	Description	Passes	Silky white crystalline powder; odorless
2.	Assay (on anhydrous basis)	99.2%	Min.99%
3.	Melting Point	236.3°C	235 – 237°C
4.	Loss on drying at 105°C (1hr)	0.078%	Max.0.5%
5.	Water insoluble matter	< 0.005%	Max.0.005%
6.	Acidity or alkalinity	Passes	Passes
7.	Sulphate	< 0.05%	Max.0.05%
8.	Heavy metals (as Pb)	< 0.002%	Max.0.002%
9.	Sulphated ash	< 0.1%	Max.0.1%
10.	Copper	< 0.0002%	Max.0.0002%
11.	Iron	< 0.0002%	Max.0.0002%
12.	Lead	< 0.0002%	Max.0.0002%
13.	Zinc	< 0.0002%	Max.0.0002%

Chief Chemist