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### CERTIFICATE OF ANALYSIS

**Name of the Sample** : Caffeine for Biochemistry  
**Batch No.** : 225338  
**Date of Mfg** : Feb 2022  
**Date of Exp** : Jan 2027  
**Register No.** : 2022-23  
**Qty of Sample** : 100gm  
**Date of Analysis** : Feb 2022

S. No	Test Parameters	Observed Values	Standard Values
1.	Description	Passes	Silky white crystalline powder; odorless
2.	Assay (on anhydrous basis)	99.18%	Min.99%
3.	Melting Point	236 - 236.5°C	235 – 237°C
4.	Loss on drying at 105°C (1hr)	0.098%	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**