
STANDARD TESTING SPECIFICATIONS

**CAFFEINE MONOHYDRATE
USP**

1.	Description	:	White powder, odourless
2.	Solubility	:	Complies
3.	Identification	:	A. Infrared Absorption B. Complies
4.	Melting range	:	Between 235° & 239°
5.	Water	:	Not more than 8.5%
6.	Residue on ignition	:	Not more than 0.1%
7.	Heavy Metals	:	Not more than 0.001%
8.	Readily carbonizable substances	:	To meet the test
9.	Other Alkaloids	:	To meet the test
10.	Chromatographic Purity	:	Complies
11.	Assay (on Anhydrous basis)	:	Not less than 98.5% Not more than 101.0%
12.	Residual Solvents Dichloromethane Chloroform Trichloroethylene 1,4-Dioxane		By Gas Chromatography Not more than 600 ppm Not more than 60 ppm Not more than 80 ppm Not more than 380 ppm