
STANDARD TESTING SPECIFICATIONS

CAFFEINE ANHYDROUS BP

1.	Description	:	A white, crystalline powder or silky, white crystals, sublimes readily.
2.	Solubility	:	Sparingly soluble in water, freely soluble in boiling water, slightly soluble in ethanol. It dissolves in concentrated solutions of alkali benzoates or salicylates.
3.	Identification	:	A. Melting Point: 234° C to 239° C B. Infrared absorption spectrophotometry C,D. Chemical Test E. Loss on drying F. Reaction of xanthines
4.	Appearance of solution	:	To meet the test.
5.	Acidity	:	Not more than 0.2ml of 0.01M NaOH is required
6.	Related Substances	:	Thin-Layer Chromatography
7.	Sulphates	:	Not more than 500 ppm
8.	Heavy Metals	:	Not more than 10 ppm Pb
9.	Loss on drying	:	Not more than 0.5%
10.	Sulphated Ash	:	Not more than 0.1%
11.	Assay (on dried basis)	:	Not less than 98.5% Not more than 101.5%