
STANDARD TESTING SPECIFICATIONS

ATROPINE SULPHATE BP/EP

1.	Description	:	A white or almost white, crystalline powder or colourless crystals.
2.	Solubility	:	Very soluble in water, freely soluble in alcohol.
3.	Identification	:	A. Optical rotation. B. Infrared absorption spectrophotometry. C. Melts at 174° C to 179° C D. To meet the test E. Gives reaction of sulphates F. Gives reactions of alkaloids
4.	pH	:	4.5 to 6.2. Dissolve 0.6 g in <i>carbon dioxide-free water R</i> and dilute to 30 ml with the same solvent.
5.	Optical rotation	:	-0.50° to +0.05°. Dissolve 2.50 g in <i>water R</i> and dilute to 25.0 ml with the same solvent.
6.	Foreign Alkaloids & decomposition products	:	Thin Layer chromatography using silica gel G
7.	Apoatropine		Not more than 4.0
8.	Water	:	2.0 per cent to 4.0 per cent, determined on 0.500 g.
9.	Sulphated ash	:	Maximum 0.1 per cent, determined on 1.0 g.
10.	Assay (anhydrous substance).	:	99.0 per cent to 101.0 per cent