



(Drug License No. 11 of 2018)
(Food Safety & Drug Administration – Govt. of Uttar Pradesh)



Talc USP

TYPICAL PHYSIO-CHEMICAL PROPERTIES

PROPERTY	UNIT	SPECIFICATIONS
Appearance	--	Light, homogeneous, white or almost white powder, greasy to the touch (non abrasive)
Solubility	--	Practically insoluble in water , in ethanol (96%) and in dilute solutions of acids
Identification	--	By Infrared absorption spectrum of the substance being examined in potassium bromide dispersion should show absorption, bands at 3677 ± 2 cm, at 1018 ± 2 cm and at 669 ± 2 cm
		A white, crystalline precipitated should be formed.
		The residue obtained in identification test B should give reaction of silicates.
Acidity		Max 0.4 ml of 0.01 M hydrochloric acid to change the colour of the bromothymol blue indicator
Alkanity		Max 0.3 ml of 0.01 M sodium hydroxide to change the colour of the phenolphthalein indicator to Pink
Water-Soluble Substances	% max	0.1%
Residual solvents	% max	Meets the requirement
Aluminium	% max	2.0
Iron	% max	0.25
Calcium	%Max	0.9
Lead	ppm max	10
Loss on Ignition@ $1075^{\circ}\text{C} \pm 25$	%	NMT 7.0 %
Acid Soluble substance	%	NMT 2.0%
Asbestos	-	Should be absent
Magnesium	%	17-19.5
Microbial Contamination	cfu/gm max	For Oral Administration=TAMC-NMT 1000 cfu/gm & TYMC-100 cfu/gm For Tropical Administration= TAMC- NMT 100 cfu/gm & TYMC- 50 cfu/gm max



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