



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



## Talc BP

### TYPICAL PHYSIO-CHEMICAL PROPERTIES

| PROPERTY                         | UNIT       | SPECIFICATIONS   |
|----------------------------------|------------|--|
| Appearance                       | --         | Light, homogeneous, white or almost white powder, Odourless  |
| 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 $3677 \pm 2$ cm, at $1018 \pm 2$ cm and at $669 \pm 2$ 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  |
| Water-Soluble Substances         | % max      | 0.2  |
| Residual solvents                | % max      | 2.0 max  |
| Aluminium                        | % Max      | 2  |
| Calcium                          | % Max      | 0.9  |
| Iron                             | % max      | 0.25   |
| Lead                             | ppm max    | 10   |
| Loss on ignition @ 1150°C-1100°C | % max      | 7  |
| Acid Soluble substance           | %          | NMT 2%   |
| Carbonate Test                   | -          | No effervescence with HCL  |
| Magnesium                        | %          | 17.0 ~19.5   |
| Organic Compound                 | -          | Colour of material after LOD NMT slight yellow or gray   |
| Microbial Contamination          | cfu/gm max | Total Aerobic count 1000 cfu/gm max, Total Y&M-100 cfu/gm max, Salmonella & E.Coli- Absent   |
| PSD Distribution                 | mm         | Passed (BP Ref No-2.9.31)  |
| Specific S/A                     | M2/gm      | Passed (BP Ref No-2.9.26)  |



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