

TECHNICAL DATA SHEET

Product Code: TC-99

BASIC DESCRIPTION OF THE PRODUCT:

Micro Talc is a clay mineral composed of hydrated magnesium silicate with the chemical formula $H_2Mg_3(SiO_3)_4$ or $Mg_3Si_4O_{10}(OH)_2$. In the form of superfine powder commonly used as a filler in a variety of industrial products.

ASSAY (complexometric; calculated on dried substance)

Substance insoluble in acetic acid	< 0.1 %
Substance insoluble in hydrochloric acid	< 0.1 %
Chloride (Cl)	< 0.02 %
Fluoride (F)	< 0.005 %
Sulphate (SO_4)	< 0.05 %
Heavy Metals (as Pb)	< 0.002 %
As (Arsenic)	< 0.0003 %
Ba (Barium)	passes test
Fe (Iron)	< 0.002 %
Hg (Mercury)	< 0.00005 %
Pb (Lead)	< 0.0003 %
Magnesium and alkali metals	< 0.2 %

PHYSICAL PARAMETER:

Appearance	White Powder
Fineness: #	
· Residue on a 45 μm / 325 mesh sieve (ISO 787/7)	nil
· Top cut (d97)	1.4 μm
· Mean particle size (d50)	1 μm
· Particles < 1 μm	40 %
Whiteness: #	
· Brightness (R_y , $C/2^\circ$, DIN 53163)	96 %
Moisture ex works (ISO 787/2)	0.3 %
Bulk Density	0.45 gr/ml
pH	9



Specialty Chemicals & Minerals

Surabaya Office:

Jl. Raya Medokan Sawah Timur 22, Rungkut Sby 60295

Phone: 031-8711047 / 8790289 **Mobile:** 0878 5868 7898

Email: nirakujaya@gmail.com **Website:** www.niraku.co.id

MAIN APPLICATION:

Plastics:

- + Polyolefin Compound / Masterbatch for molding and film
- + Rigid, Semi Rigid & Plasticized PVC

Paints:

- + Interior & Exterior Emulsion Paint
- + Brushing Enamel
- + Primers

Paper:

- + Wall & Coated Paper
- + Alkaline sizing System

Others:

- + Adhesive & Sealants
- + Cosmetics

STANDARD PACKAGING:

Small Bag of 25 kg