



CYPRUS
Industrial Minerals

DEVELOPMENTAL PRODUCT

HAI CHEN 200

Preliminary Data

DESCRIPTION

Hai Chen 200 is a premium grade Chinese cosmetic talc which conforms to the purity criteria set forth by the Cosmetics, Toiletries and Fragrances Association (CTFA) and the United States Pharmacopoeia (USP). Quality and consistency are ensured because Hai Chen 200 is produced via a flotation/beneficiation process. Extreme brightness, translucency and excellent 'slip' are standard features for Hai Chen 200.

Hai Chen 200 is certified to contain no detectible asbestiform minerals as determined by CTFA Method J4-1.

APPLICATIONS

- Bath and Dusting Powder
- Pressed Powders
- Loose Powders
- Eye Shadows

TYPICAL CHEMICAL ANALYSIS BY XRF AND AA (USPXXI)

MgO	28.9%	Lead	< 10ppm
SiO ₂	63.0%	Arsenic	< 3ppm
Al ₂ O ₃	.3%	Heavy Metals	< 40ppm
Fe ₂ O ₃	.1%	Iron (Extractable)	< 500ppm
CaO	.1%		
L.O.I.	4.9%		

MICROBIOLOGICAL ANALYSIS

Total aerobic plate count (including yeast and mold)
< 100 per gm. (CSTM 34)

Gram negative plate count not detected. (CSTM 34)

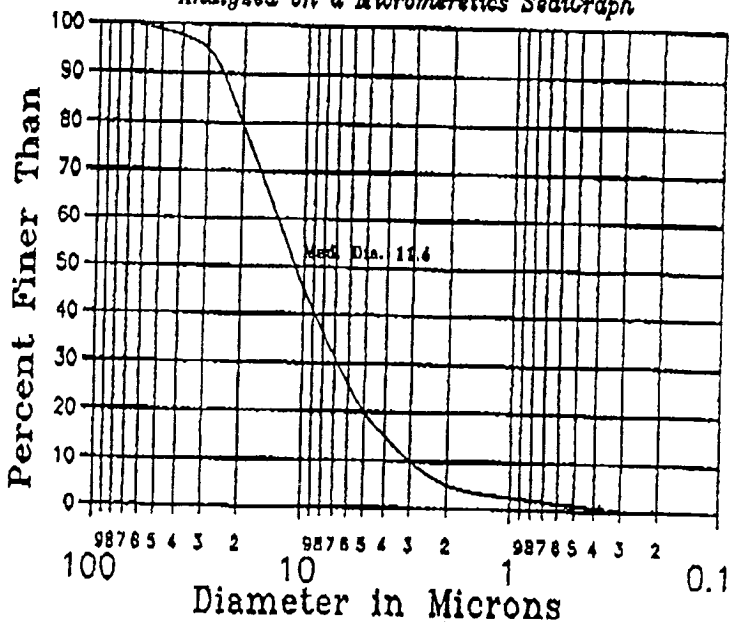
TYPICAL PHYSICAL PROPERTIES

TAPPI Brightness, GEB (CSTM-14)	90.4
Specific Gravity (CSTM-06)	2.8
Loose Density, lb/ft ³ (CSTM-12)	28
Tapped Density, lb/ft ³ (CSTM-13)	65
Median Diameter, microns (CSTM-02)	11.4
Surface Area, m ² /gm (BET N ₂)	3.0
Oil Absorption, SRD (CSTM-19)	37
200 mesh, % passing (CSTM-09)	98.9
pH 10% slurry (CSTM-5)	8.3

CSTM - Cyprus Std. Test Method

TYPICAL PARTICLE SIZE

Analyzed on a Micromeretics SediGraph



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