

OLYMPIC

Talc Product #1515

Conforms to CTFA
Finest Quality Montana Cosmetic

PHYSICAL PROPERTIES

Brightness	86 ± 2%	GEB, MgO = 100%
Loose Density	26 ± 2 lbs/ft ³	CTFA C8-1
Tapped Density	62 ± 2 lbs/ft ³	CTFA C7-1
Specific Gravity	2.8	ASTM 153-82
Acid Solubles	1 ± 0.5%	CSTM 27 as CO ₂
Oil Absorption - SRO	34g/100g	ASTM D281
Average Moisture Content	0.5%	CSTM 4 @ 105°C
pH	9.5 ± 0.5	CSTM 5 @ 10% Slurry

MICROBIOLOGICAL

Total Aerobic Plate Count (incl. Yeast & Mold)	< 100 per gram	CSTM 34
Gram Negative Plate Count	Not Detected	CSTM 34

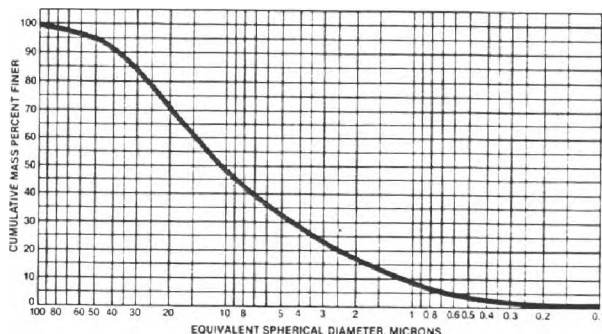
Specially treated for control of bacteria.

PARTICLE SIZE DISTRIBUTION

Percent Passing	200 MESH	98.8 min.
	20 μ m	70
	10 μ m	48
	5 μ m	32
	2 μ m	17
	1 μ m	9

MEDIAN PARTICLE SIZE 10 μ m

SEDIGRAPH 5000



CHEMICAL ANALYSIS

MgO	31%	XRF
SiO ₂	60%	XRF
Fe ₂ O ₃	1%	XRF
CaO	0.5%	XRF
Al ₂ O ₃	1%	XRF
L.O.I.	6 ± 0.5%	USP XXI

Lead	< 5 ppm	USP XXI
Arsenic	< 1 ppm	USP XXI
Heavy Metals	< 20 ppm	USP XXI
Iron (extractable)	< 500 ppm	USP XXI
Quartz	< 1%	XRD
Amphibole Asbestos	Not Detected	CTFA J4-1

Asbestos, Tremolite, Actinolite and Anthophyllite are not detected by analytical techniques which include XRD, optical and electron microscopy.

The data presented are based on tests that Cyprus believes to be reliable and are offered in good faith as typical of normal production, but Cyprus makes no warranty or representation of any kind, express or implied, regarding the information given or the product described, including any warranty of suitability for a particular purpose. The user is solely responsible for its use of the information and product. Cyprus disclaims any liability based on any claim of patent infringement.



1515-10-86

CYPRUS INDUSTRIAL MINERALS COMPANY
TALC DIVISION BOX #3419 ENGLEWOOD, CO 80155
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PLAINTIFF'S
EXHIBIT
CAM-196

ITA-LG 00330



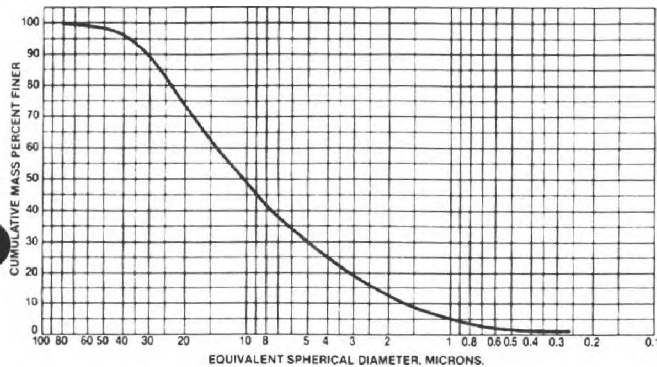
OLYMPIC
TALC

PRODUCT # 1515

PHYSICAL PROPERTIES

Brightness (relative to MgO):	
General Electric	88% $\pm$ 2
Luminous Green Filter	89% $\pm$ 2
Apparent Density	
Loose (CTFA C8-1)	24 lbs./ft. ³ $\pm$ 2
Tapped (CTFA C7-1)	62 lbs./ft. ³ $\pm$ 2
Specific Gravity	2.8
Acid Solubles (as CaO)	0.5% max.
Surface Area, [m ² /g (N ₂ BET)]	8.0 $\pm$ 0.5
Adsorbed moisture	0.5%
pH (1:5 dilution)	9.5 $\pm$ 0.5

PARTICLE SIZE DISTRIBUTION



Minus	100 mesh	100%
Minus	74 μ m, 200 mesh	98.8-99.2
Minus	20 μ m	73
Minus	10 μ m	48
Minus	5 μ m	29
Minus	2 μ m	12
Minus	1 μ m	5
Median particle size		10.5 μ m

DESCRIPTION

OLYMPIC TALC is a high purity, platy cosmetic talc, containing no detectable asbestos-like impurities and conforming to CTFA specifications. OLYMPIC TALC is a specially treated, low microorganism talc.

CHEMICAL ANALYSIS

MgO	32%	Pb	not detected
SiO ₂	61	As	not detected
Al ₂ O ₃	0.5		
CaO	0.5		
Fe ₂ O ₃	0.5		
L.O.I.	5.5		

Data presented are representative of most recent testing and are offered in good faith as being typical of normal production.

Cyprus Industrial Minerals Company/Talc Division
Box 3419, Englewood, CO 80155/(303) 740-5440

CYPRUS

1515-5-83

ITA-LG 00331

TYPICAL DATA SHEET

Cyprus Industrial Minerals Company

Talc Division
555 South Flower Street • Los Angeles, California 90071 • Telephone (213) 489-3700

OLYMPIC TALC

Olympic Talc is a high purity, platy cosmetic talc, not containing detectable asbestos-like impurities and conforming to CTFA specifications. Olympic Talc is a specially treated, low micro-organism talc.

CHEMICAL ANALYSIS

	Percent		Parts Per Million
MgO	32	Pb	not detected
SiO ₂	61	Sb	not detected
Al ₂ O ₃	½	As	not detected
CaO	½	Cd	0.3
Fe ₂ O ₃	½	Hg	0.03
Loss on ignition:		Se	1
CO ₂ }	< ½	Ba (water	1
H ₂ O }	5	soluble)	

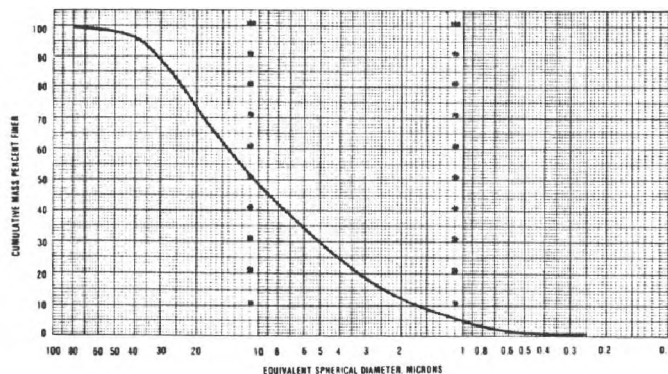
MINERAL ANALYSIS

Talc (3MgO·4SiO ₂ ·H ₂ O)	95
Chlorite (5MgO·Al ₂ O ₃ ·3SiO ₂ ·4H ₂ O)	4
Dolomite ([CaMg] CO ₃)	1
Quartz	trace
Asbestos-Type Minerals	not detected

PHYSICAL PROPERTIES

Brightness, % (relative to MgO):		Specific Gravity	2.8
General Electric	86+	Acid Solubles, % (as CaO)	0.5
Luminous (Green Filter)	87+	Surface Area, m ² /g (N ₂ , BET)	8½
Apparent Density,	1 lbs/ft ³	Adsorbed Moisture, %	0.2
Loose, CTFA C8-1	24	pH (1:5 dilution)	9
Tapped, CTFA C7-1	62½	Refractive index	1.6

PARTICLE SIZE DISTRIBUTION



% minus 100 mesh	100
% minus 200 mesh, 74 μm	98.9-99.2
% minus 20 μm	73
% minus 10 μm	48
% minus 5 μm	29
% minus 2 μm	12
% minus 1 μm	5
Median particle size, μm	10½

Data presented are representative of most recent testing and are