

## MICROTALC® BP 210 Body Powder talc

MICROTALC® BP 210 talc is designed specifically for body powder formulations. The controlled particle size, particle distribution and high bulk density facilitates speed in packaging while having minimal settling due to entrapped air.

MICROTALC® BP 210 talc is produced by Barretts Minerals Inc., a wholly owned subsidiary of Specialty Minerals Inc., from an extensive deposit of high quality Montana talc (magnesium silicate) ore. This talc's softness and oleophilic surface characteristics make it an ideal material for body powder and lotion applications. MICROTALC® BP 210 talc conforms to the guidelines of the Cosmetic, Manufacturers Association (CTFA) for maximum limits on arsenic, lead and heavy metals.

### Typical Physical Properties

Median Particle Size (microns)	12.0
Retention, 200 Mesh, %	3.0
Dry Brightness (Hunter Y, Rd Value)	87
Bulk Density (pounds/ft <sup>3</sup> )	35 - 40
(grams/cc)	0.56
Tap Density (pounds/ft <sup>3</sup> )	68
(grams/cc)	1.09
pH	8.8
Specific Gravity	2.8
Microbial Bacteria (max. cfu/g)	500.00
Microbial Yeast/Mold (max. cfu/g)	100.00
Microbial Gram Negative	Not Detected

### Typical Chemical Composition

Silicon Dioxide	SiO <sub>2</sub>	61%
Magnesium Oxide	MgO	31%
Calcium Oxide	CaO	0.5%
Aluminum Oxide	Al <sub>2</sub> O <sub>3</sub>	2.0%
Iron As	Fe <sub>2</sub> O <sub>3</sub>	<1.3%
Loss on Ignition	L.O.I.	6.0%
Moisture %	H <sub>2</sub> O	<0.5%

### Cosmetic Manufacturers Association (CTFA) Limits

Lead (Pb)	10 ppm Maximum
Arsenic (As)	3 ppm Maximum
Heavy Metals	40 ppm Maximum

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