

MICROTALC® BP 250 U.S.P. talc

Specialty Minerals Inc. (SMI) MICROTALC® talc U.S.P. and Bacterial Controlled talc produced by Barretts Minerals Inc., from an extensive deposit of high quality Montana talc (Magnesium Silicate) ore. Our MICROTALC® talc U.S.P. talc products are certified to meet all of the United States Pharmacopoeia requirements for chemical and microbiological purity. In addition, SMI's MICROTALC® talc U.S.P. and Bacteria Controlled (BC) talcs conform to the requirements of the Cosmetic Manufacturers Association for maximum limits on arsenic, lead and heavy metals.

MICROTALC® U.S.P. and BC talcs are designed for medical, drug and cosmetic formulations, both powder and lotion. Talc's softness, oleophilic surface and fragrance retention characteristics make them ideal materials for these applications. MICROTALC® talc U.S.P. talcs are used in cosmetic and medicinal applications as a dusting powder, a solid diluent or as a solid component in lotions.

Typical Chemical Composition

Silicon Dioxide	SiO ₂	61%
Magnesium Oxide	MgO	31%
Calcium Oxide	CaO	<0.5%
Aluminum Oxide	Al ₂ O ₃	1%
Iron As	Fe ₂ O ₃	<1.3%

U.S.P. Certification Limits

Loss on Ignition	7% Maximum
Water Soluble Substances	0.1% Maximum
Acidity & Alkalinity	Pass
Limit of Iron	0.25% Maximum
Limit of Lead	0.001% Maximum
Limit of Calcium	0.9% Maximum
Limit of Aluminum	2.0% Maximum
Content of Magnesium	17.0 – 19.5%
Microbial Bacteria (max. cfu/g)	100 Maximum
Microbial Yeast/Mold (max. cfu/g)	50 Maximum

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 ³)	35 - 40
(grams/cc)	0.56
Tap Density (pounds/ft ³)	68
(grams/cc)	1.09
pH	8.8
Specific Gravity	2.8
Moisture % (% weight loss @ 110° C)	H ₂ O <0.5%

Cosmetics Manufacturers Association Limits

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

All products are sold on the understanding that the user is solely responsible for determining their suitability for the intended use. All information given and recommendations made herein are based upon our research and are believed to be accurate, but no guarantee, either expressed or implied, is made with respect thereto or with respect to the infringement of any patent. SMI MAKES NO WARRANTY OF MERCHANTABILITY OR SUITABILITY FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH ANY SALE OF THE PRODUCTS DESCRIBED HEREIN. Inconsistent terms and conditions contained in Buyer's purchase order shall not be binding on SMI/BMI unless reflected in writing signed by SMI/BMI's representative. This information is not to be copied, used in evidence, released for publication or public distribution without written permission from Specialty Minerals Inc./Barretts Minerals Inc.

Sales Offices

Bethlehem, PA 1-610-997-8394
 Barretts, MT 800-336-9008
 www.mineralstech.com

MICROTALC® BP 250 U.S.P.
 ©Specialty Minerals Inc. 3/2008