

MicroTalc[®] 2500 U.S.P. talc

Specialty Minerals Inc. (SMI) MicroTalc[®] 2500 U.S.P. talc is designed specifically for cosmetic and confectionary formulations. The controlled particle size particle distribution and bulk density facilitates speed in packaging while having minimal setting due to entrapped air. In addition, it can also be used in cosmetic and medicinal applications as an excipient or as a solid component in lotions and in confectionary applications as a release agent and mouth feel control material.

MicroTalc[®] U.S.P. talc is produced by BMI, a wholly owned subsidiary of SMI, at our Barretts, MT facility. This talc is certified to meet all of the United States Pharmacopoeia requirements for chemical purity under the USP 29-NF-24 S2 monograph.

Product Description Typical Values	MicroTalc[®] 2500 USP
Median Particle Size (microns) Micromeritics Sedigraph 5100 @ 98 (microns)	2.3 10
Dry Brightness Hunter Y, Rd value	90
Oil Absorption (gm oil/100 gm filler) ASTM – D 281	40
Bulk Density Loose (lbs/ft ³) Tapped (lbs/ft ³) (USP)	13 37

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%
Loss on Ignition	L.O.I.	<7%
Moisture %	H ₂ O	<0.5%

U.S.P. Certification Limits	
Loss on Ignition	7.0% Maximum
Acid Solubles	2% Maximum
Water Solubles	0.1% Maximum
Water Soluble Iron	Nil
Microbiological Limit	100 cfu per gram

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.