

Table 1: Asbestos Content in Vermiculite Insulation Products Purchased from Stores

Purchase Location	Product Name	Manufacturer	Intended Uses	Physical Properties	Sample ID	Asbestos Content in Vermiculite Attic Insulation			
						PLM ¹		TEM ²	
						Results (wt.%)	Fiber Type	Results (wt.%)	Fiber Type
Sacramento Stucco Company, Sacramento, CA	Vermiculite UltraTech	Micronized Ultra Tech Inc., Richmond, VA	Various industrial uses	Vermiculite Concentrate; Magnesium-Aluminosilicate Mineral; Medium sized tan/gold/gray colored particulates	107225	ND	ND	ND	ND
					107226 (duplicate of 107225)	ND	ND	ND	ND
Addison Building Materials; Arlington Heights, IL	Strong-Lite; Attic Insulation; Vermiculite; Mica Flakes	Strong-Lite Products Corporation; Seneca, IL	Attic Insulation	Medium sized tan/gold/gray colored particulates, does not produce much dust when disturbed	107227	ND	ND	ND	ND
Frederick Brick Works, Frederick, MD	Zonolite Brand Vermiculite; Water Repellant, Masonry Insulation for block and cavity walls	Grace Construction Products, a Division of W.R. Grace & Co., Cambridge, MA	Masonry Insulation for block and cavity walls	Dark colored gray/brown fine particulates, very dry	107232	ND	ND	ND	ND
					107233 (duplicate of 107232)	ND	ND	ND	ND
John Abell Corporation, Miami, FL, 33157	Zonolite Brand Vermiculite; Water Repellant, Masonry Insulation for block and cavity walls	Grace Construction Products, a Division of W.R. Grace & Co., Cambridge, MA	Masonry Insulation for block and cavity walls	Light gray/brown/gold colored, fine particulates	107234	ND	ND	ND	ND
Banner Supply, Miami, FL, 33122	Zonolite Brand Vermiculite; Plaster (Lightweight, Fireproof, Insulating) Aggregate	Zonolite Construction Products Division; W.R. Grace & Co, Cambridge, MA	Plaster Aggregate	Light tan/gold/brown colored, fine particulates	107235	ND	ND	ND	ND

Notes: 1 Polarized Light Microscopy; Detection limit is 1%
 2 Transmission Electron Microscopy; Detection limit is 0.1%

Table 2: Asbestos Content in Vermiculite Insulation Products Acquired from Seattle Public Utilities and Residential Homes

Acquisition Location	Product Name	Manufacturer	Intended Uses	Physical Properties	Sample ID	Asbestos Content in Vermiculite Attic Insulation			
						PLM ¹		TEM ²	
						Results (wt.%)	Fiber Type	Results (wt.%)	Fiber Type
Seattle Public Utilities, Renton, WA	Zonolite Brand Vermiculite, Industrial and Chemical Grade, Lot# 21111-2	Zonolite Construction Products Division, W.R. Grace & Co., Cambridge, MA 02140	Insulation of water meters	Tan/gold/gray colored, medium to fine particulates	107228	<1	tremolite	<0.1	tremolite/actinolite
Seattle Public Utilities, Renton, WA	Zonolite Brand Vermiculite, Industrial and Chemical Grade, Lot# 6B03-2	Zonolite Construction Products Division, W.R. Grace & Co., Cambridge, MA 02140	Insulation of water meters	Large, tan/gold/gray colored particulates	107229	<1	tremolite	<0.1	tremolite/actinolite
					107230 (duplicate of 107229)	<1	tremolite	ND	ND
Seattle Public Utilities, Renton, WA	Zonolite Brand Vermiculite, Industrial and Chemical Grade, Lot# 17K02-1	Zonolite Construction Products Division, W.R. Grace & Co., Cambridge, MA 02140	Insulation of water meters	Tan/gold/gray colored, large particulates, holds shape after being compacted by hand	107231	<1	tremolite	<0.1	tremolite/actinolite
Unknown (old bag obtained from resident of Republic, WA)	Zonolite Brand Vermiculite, New Water Repellant; Masonry Fill Insulation (1-98542, 6702.4)	Zonolite Construction Products Division, W.R. Grace & Co., Cambridge, MA 02140	Masonry Fill Insulation	Light gold/tan/gray colored, medium to fine particulates	107236	<1	tremolite/actinolite	ND	ND
Unknown (old bag obtained from resident of Wenatchee, WA)	Zonolite Attic Insulation (10D42.2)	Guaranteed by WR Grace & Co., Portland, OR	Attic Insulation	Light gold/tan/gray, medium to small pellets	107237	<1	tremolite/actinolite	0.13	actinolite

Notes: 1 Polarized Light Microscopy; Detection limit is 1%
 2 Transmission Electron Microscopy; Detection limit is 0.1%