

**American Industrial Hygiene Association**  
**Bulk Asbestos Proficiency Analytical Testing Program**  
**Results of Round A111-217**  
**7/10/2017**

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Laboratory ID Number  
 213022

Total Penalty Points 0  
 Round Status Pass  
 Program Status Proficient  
 Less than 100 penalty points required to pass the round  
 Passing 2 of the last 3 rounds required for Program Proficiency

Lot Designation/Sample ID Numbers	A) 4941	B) 4846	C) 5593	D) 1424
<b>Analysis Results from Laboratory</b>				
Asbestos (%)	CHRY (5)	NONE	CHRY (2)	CROC (4)
Other Fibrous Materials (%)	CELL (13)	CELL (34)		
Nonfibrous Material (%)	OTHR (69)	OTHR (65)	ACID (72)	ACID (68)
	ACID	ACID	OTHR	OTHR
Penalty Points Assessed	0	0	0	0
<b>Analysis Results from Reference Laboratory One</b>				
Asbestos (%)	CHRY (3)	NONE	CHRY (10)	CROC (1.5)
Other Fibrous Materials (%)	CELL (20)	CELL (35)		CELL (0.5)
Nonfibrous Material (%)	MICA (1)	PERL (60)	OTHR * <sub>1</sub> (90)	OTHR * <sub>2</sub> (98)
	OTHR * <sub>3</sub> (75)	OTHR * <sub>4</sub> (5)		
	OTHR * <sub>5</sub> (1)			
<b>Analysis Results from Reference Laboratory Two</b>				
Asbestos (%)	CHRY (4.5)		CHRY (3.5)	CROC (1)
Other Fibrous Materials (%)		CELL (30)		
Nonfibrous Material (%)	OTHR * <sub>6</sub> (28.5)	OTHR * <sub>7</sub> (70)	OTHR * <sub>8</sub> (92.5)	ACID (94.5)
	ACID (12)		OTHR * <sub>10</sub> (4)	OTHR * <sub>11</sub> (4.5)
	OTHR * <sub>9</sub> (55)			
<b>Analysis Results from RTI International</b>				
Asbestos (%)	CHRY (6)	NONE	CHRY (4)	CROC (2)
Other Fibrous Materials (%)	OTHR * <sub>12</sub> (55)	CELL (31)	NONE	
Nonfibrous Material (%)	ACID (16)	OTHR * <sub>13</sub> (69)	OTHR * <sub>14</sub> (96)	ACID (98)
	OTHR * <sub>15</sub> (23)			
Acceptable Quantitation Range (%)	CHRY (TRA-13)	NONE	CHRY (TRA-14)	CROC (TRA-10)
<b>Summary of Results from all Laboratories</b>				
Type One Asbestos	CHRY	NONE	CHRY	CROC
Type One Mean	6.4	0.0	14.9	6.6
Type Two Asbestos				
Type Two Mean				
Type Three Asbestos				
Type Three Mean				
Other Asbestos Types Reported in Sample	ACTN, ANTH, AMOS, TREM	ANTH, AMOS, CHRY	ACTN, AMOS, CROC	ACTN, ANTH, AMOS, CHRY, TREM
ACTN=Actinolite	CROC=Crocidolite	MICA=Micaceous Material	FBGL=Fiberglass/Mineral Wool	
AMOS=Amosite	TREM=Tremolite	WOLL=Wollastonite	ACID = acid-soluble fraction, including but not limited to, calcite, gypsum, dolomite, magnesite, hydromagnesite, anhydrite, and bassanite<	
ANTH=Anthophyllite	CELL=Cellulose	OTHR=Other		
CHRY=Chrysotile	SYNT=Synthetic	TRA=Trace		

Footnotes explaining "OTHR" materials identified during sample analysis:

- |                                |   |   |
|--------------------------------|---|---|
| *1 carbonate/gypsum matrix     | *6 quartz, feldspars, clay, rutile, unidentified matrix | *11 quartz, unidentified matrix                               |
| *2 carbonate/gypsum binder     | *7 perlite, unidentified matrix                         | *12 Cellulose and tar   |
| *3 gravel, asphalt-tar         | *8 calcareous material in acid                          | *13 Perlite, quartz, and clay                                 |
| *4 binder / accessory minerals | *9 ash  | *14 Dolomite, gypsum, opaques, accessory minerals, and quartz |
| *5 paint                       | *10 mica, unidentified matrix                           | *15 Quartz, aggregate minerals, mica, pigments                |