

**American Industrial Hygiene Association**  
**Bulk Asbestos Proficiency Analytical Testing Program**  
**Results of Round A110-117**  
**4/10/2017**

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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) 8071	B) 1686	C) 8227	D) 6298
<b>Analysis Results from Laboratory</b>				
Asbestos (%)	AMOS (3)	NONE	CHRY (35)	CHRY (2)
Other Fibrous Materials (%)	FBGL (68)	OTHR (18) CELL (14)	CELL (13)	
Nonfibrous Material (%)	OTHR (18) OTHR	ACID (49) OTHR	OTHR (48) ACID	MICA (51) ACID
Penalty Points Assessed	0	0	0	0
<b>Analysis Results from Reference Laboratory One</b>				
Asbestos (%)	AMOS (4.0)	NONE	CHRY (60)	CHRY (1.8)
Other Fibrous Materials (%)	FBGL (83) CELL (1)	CELL (45) WOLL (2)	CELL (35)	CELL (0.2)
Nonfibrous Material (%)	OTHR * <sub>1</sub> (10) OTHR * <sub>5</sub> (2)	OTHR * <sub>2</sub> (50) OTHR * <sub>6</sub> (3)	OTHR * <sub>3</sub> (5)	OTHR * <sub>4</sub> (83) OTHR * <sub>7</sub> (15)
<b>Analysis Results from Reference Laboratory Two</b>				
Asbestos (%)	AMOS (2.5)		CHRY (60)	CHRY (1.5)
Other Fibrous Materials (%)	FBGL (90.5)	WOLL (3) CELL (tr)	CELL (12) FBGL (tr)	
Nonfibrous Material (%)	OTHR * <sub>8</sub> (7)	OTHR * <sub>9</sub> (97)	OTHR * <sub>10</sub> (28)	OTHR * <sub>11</sub> (28) OTHR * <sub>12</sub> (25) OTHR * <sub>13</sub> (45.5)
<b>Analysis Results from RTI International</b>				
Asbestos (%)	AMOS (3)	NONE	CHRY (58)	CHRY (3)
Other Fibrous Materials (%)	FBGL (65)	WOLL (3) CELL (5)	CELL (13)	CELL (Tra)
Nonfibrous Material (%)	OTHR * <sub>14</sub> (32)	OTHR * <sub>15</sub> (92)	OTHR * <sub>16</sub> (12) OTHR * <sub>18</sub> (17)	OTHR * <sub>17</sub> (59) CACO (38)
Acceptable Quantitation Range (%)	AMOS (TRA-12)	NONE	CHRY (28 to 86)	CHRY (TRA-10)
<b>Summary of Results from all Laboratories</b>				
Type One Asbestos	AMOS	NONE	CHRY	CHRY
Type One Mean	4.9	0.0	50.4	2.6
Type Two Asbestos				
Type Two Mean				
Type Three Asbestos				
Type Three Mean				
Other Asbestos Types Reported in Sample	ACTN, ANTH, CHRY, CROC	ACTN, ANTH, AMOS, CHRY, TREM	AMOS	ACTN, AMOS, CROC, 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 binders            | *7 paint  | *13 pigments, talc, mica, clay,                            |
| *2 binders            | *8 pigments, clay, binders  | *14 Paint pigments, acid soluble binder, insoluble binders |
| *3 binders            | *9 Quartz, feldspars, clay, rutile, mica, unidentified matrix     | *15 Quartz, organic binder, and paint pigments             |
| *4 vermiculite/gypsum | *10 binders, clay, opaques, quartz, unidentified matrix materials | *16 Organic and acid soluble binders                       |
| *5 paint              | *11 calcareous material (in acid)                                 | *17 Quartz, talc, mica, clay, and paint pigments           |
| *6 paint              | *12 organics, styrofoam(?) pigments in ash                        | *18 Opaques, accessory minerals, and quartz                |