

**American Industrial Hygiene Association**  
**Bulk Asbestos Proficiency Analytical Testing Program**  
**Results of Round A103-215**  
**7/10/2015**

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Laboratory ID Number  
 213022

Total Penalty Points 0  
 Round Status P  
 Program Status P

Lot Designation\Sample ID Numbers	A) 1261	B) 7372	C) 3493	D) 7328
Analysis Results from Laboratory Number 213022				
Asbestos (%)	NONE	CHRY (10)	CHRY (3)	AMOS (10)
Other Fibrous Materials (%)	SYNT (3)	FBGL (5)		FBGL (76)
Nonfibrous Material (%)	ACID (57) OTHR (40)	ACID (56) MICA (23)	ACID (62) OTHR (22)	MICA (10) OTHR (4)
Penalty Points Assessed	0	0	0	0
Analysis Results from Reference Laboratory One				
Asbestos (%)	NONE	CHRY (6.0) ACTN (0.1)	CHRY (3.5)	AMOS (4.0)
Other Fibrous Materials (%)	POLY (4)	CELL (0.9)	CELL (15)	CELL (1) FBGL (80)
Nonfibrous Material (%)	PERL (6) OTHR * <sub>1</sub> (2) OTHR * <sub>2</sub> (88)	MICA (45) CASO (48)	PERL (15) QTZ (0.5) CACO (66)	OTHR * <sub>3</sub> (13) OTHR * <sub>4</sub> (2)
Analysis Results from Reference Laboratory Two				
Asbestos (%)		CHRY (2)	CHRY(3.25)	AMOS (2.5)
Other Fibrous Materials (%)	POLY (4)	CELL (tr) FBGL (tr)	CELL (28)	FBGL (92.5)
Nonfibrous Material (%)	OTHR * <sub>5</sub> (51) PERL (10) OTHR * <sub>6</sub> (35)	OTHR * <sub>7</sub> (38) OTHR * <sub>8</sub> (55) OTHR * <sub>9</sub> (5)	OTHR * <sub>10</sub> (56) PERL (10.75) OTHR * <sub>11</sub> (2)	OTHR * <sub>12</sub> (5)
Analysis Results from RTI International				
Asbestos (%)	NONE	CHRY (7) ACTN (0)	CHRY (3)	AMOS (3)
Other Fibrous Materials (%)	POLY (3)		CELL (23)	FBGL (65)
Nonfibrous Material (%)	PERL (10) OTHR * <sub>13</sub> (87) NONE	MICA (28) CASO (65)	PERL (13) OTHR * <sub>14</sub> (51) OTHR * <sub>15</sub> (10)	OTHR * <sub>16</sub> (32)
Acceptable Quantitation Range (%)	NONE	CHRY (2-15) ACTN/TREM(TRA)	CHRY(TRA-6)	AMOS(TRA-10)
Summary of Results from all Laboratories				
Type One Asbestos		CHRY	CHRY	AMOS
Type One Mean		7.6	5.5	4.7
Type Two Asbestos		ACTN/TREM		
Type Two Mean		1.8		
Type Three Asbestos				
Type Three Mean				
Other Asbestos Types Reported in Sample	AMOS, CHRY, TREM	ANTH, AMOS	ACTN, ANTH, AMOS, TREM	ACTN, ANTH, CHRY
ACTN=Actinolite	CHRY=Chrysotile	CELL=Cellulose	CACO=Calcium Carbonate (Calcite)	
AMOS=Amosite	CROC=Crocidolite	FBGL=Fiberglass/Mineral	CASO=Calcium Sulfate (Gypsum)	
ANTH=Anthophyllite	TREM=Tremolite	Wool	MICA=Micaceous Material	
		SYNT=Synthetic	OTHR=Other	
			TRA=Trace	
P=Proficient	NP=Nonproficient	I=Incomplete		

Footnotes explaining "OTHR" materials identified during sample analysis:

- \*1 quartz sand, halite
- \*2 larnite binder
- \*3 Organic binder and glue
- \*4 paint
- \*5 calcareous matrix
- \*6 larnite, qtz, clay
- \*7 vermiculite
- \*8 calcareous mat (in acid)
- \*9 clay, unidentified matrix
- \*10 calcareous mat (in acid)
- \*11 qtz, opaques, clay
- \*12 clay, pigment, unidentified matrix
- \*13 Calcite, larnite, and gypsum binders
- \*14 Calcite and gypsum binders
- \*15 Quartz, opaques, wollastonite, anhydrite, and insoluble binder
- \*16 Paint pigments, acid soluble and insoluble binders