

**American Industrial Hygiene Association
Bulk Asbestos Proficiency Analytical Testing Program
Results of Round A112-317
10/10/2017**

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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) 2035	B) 9132	C) 9337	D) 6528
Analysis Results from Laboratory				
Asbestos (%)	213022 NONE	CHRY (12) AMOS (7)	CHRY (3)	CHRY (4)
Other Fibrous Materials (%)	CELL (14)			
Nonfibrous Material (%)	OTHR (47) ACID	ACID (43) MICA	ACID (65) OTHR	OTHR (76) OTHR
Penalty Points Assessed	0	0	0	0
Analysis Results from Reference Laboratory One				
Asbestos (%)	NONE	CHRY (7) AMOS (6)	CHRY (5)	CHRY (3.5)
Other Fibrous Materials (%)	CELL (45) OTHR * ₁ (tr)			CELL (0.5)
Nonfibrous Material (%)	OTHR * ₂ (54) OTHR * ₅ (1)	OTHR * ₃ (87)	OTHR * ₄ (35) OTHR * ₆ (59) OTHR * ₈ (1)	PERL (41) OTHR * ₇ (55)
Analysis Results from Reference Laboratory Two				
Asbestos (%)	NONE	AMOS (8.5) CHRY (2.5)	CHRY (2.25)	CHRY (2.0)
Other Fibrous Materials (%)	CELL (14)			
Nonfibrous Material (%)	OTHR * ₉ (42) ACID (44)	ACID (47) OTHR * ₁₀ (42)	ACID (66) OTHR * ₁₁ (22) OTHR * ₁₂ (9.75)	ACID (10) OTHR * ₁₃ (88)
Analysis Results from RTI International				
Asbestos (%)	NONE	CHRY (6) AMOS (11)	CHRY (4)	CHRY (4)
Other Fibrous Materials (%)	CELL (13)	NONE	NONE	NONE
Nonfibrous Material (%)	ACID (42) OTHR * ₁₄ (45)	ACID (52) QTZ (31)	ACID (66) OTHR * ₁₅ (21) OTHR * ₁₇ (9)	ACID (12) OTHR * ₁₆ (9) OTHR * ₁₈ (75)
Acceptable Quantitation Range (%)	NONE	AMOS (TRA-30) CHRY (TRA-18)	CHRY (TRA-12)	CHRY (TRA-12)
Summary of Results from all Laboratories				
Type One Asbestos		AMOS	CHRY	CHRY
Type One Mean		10.3	2.7	3.7
Type Two Asbestos		CHRY		
Type Two Mean		12.9		
Type Three Asbestos				
Type Three Mean				
Other Asbestos Types Reported in Sample	ACTN, ANTH, AMOS, CHRY, TREM	ACTN, ANTH, CROC	ANTH, AMOS, TREM	ACTN, ANTH, AMOS, CROC
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 trem. clvg frags in paint | *7 gypsum/carbonate/ paint | *13 perlite, clay, pigments, unidentified matrix |
| *2 quartz/carbonate cement binder | *8 carbonate adhesive | *14 Quartz and paint pigments |
| *3 acid soluble carbonate binder | *9 quartz, opaques, clay, , opaques, unidentified matrix | *15 Vinyl matrix |
| *4 calcite aggregate/acc. minerals | *10 quartz, clay, unidentified matrix | *16 Organic binders |
| *5 surface paint | *11 ash | *17 Quartz and pigments |
| *6 vinyl binders/ matrix | *12 pigments, unidentified matrix | *18 Perlite, quartz, clay, pigments, and insoluble binder |