

Environmental Services     Geotechnical Engineering     Construction Materials Testing     Special Inspections

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**BOISE CITY/ADA COUNTY HOUSING AUTHORITIES**  
**680 CUNNINGHAM PL.**  
**BOISE, ID 83702**

**MTI FILE #: B190001e**

Project: No Project Name Provided      Date Received: 5/23/2019  
P.O. Number: \_\_\_\_\_      Date Reported: 5/23/2019

**ASBESTOS BULK SAMPLE ANALYSIS REPORT**

Sample Number	Lab Number	Sample Type, Location, and Description	Asbestos Fibers	Non-Asbestos Fibers	Non-Fibrous Materials	Comments
1	B165153	4 layer roofing/paint-black layered bituminous granular fibrous/silver	40% Chrysotile in all four layers	20% cellulose	40% other	

Sample component percentages may not total 100% for multi-layered samples

**Glossary of Acronyms**

**NAD** - No Asbestos Detected      **TRACE** - Detectable but not quantifiable  
**PP-NAR** - Presume Positive-No Analysis Required      **IS** - Insufficient Sample -percentages may be inaccurate  
**AFC** - Asbestos Found As Contaminant

Sampled by: Client



Analyzed by: David Kesner  
Microscopist

Reviewed by: Jennifer Babione  
Environmental Services Asst. Manager

Sample components are identified using polarized light microscopy (PLM) coupled with dispersion staining methods as determined by visual estimation. Small asbestos fibers may not be detected by PLM due to the resolution limitations of the optical microscope. Detecting asbestos in non-friable organically bound materials is not consistently reliable using PLM analysis. This test report relates only to the items tested in the sample as submitted to the laboratory.

Analysis method: Polarized Light Microscopy (PLM) by EPA/600/R-93/116 with Central Stop Dispersion by NIOSH 9002  
American Industrial Hygiene Association (AIHA) Performance Analytical Testing (PAT) Laboratory Number 101571