



# EDLab

Environmental Diagnostics Laboratory

4/20/2015

JOHN EXAMPLE  
1345 RD ST  
CITY, ST 11111

Re: Sample Location  
**Laboratory Analysis Report**  
**Work Authorization # 06528-018539-95102**

Dear JOHN EXAMPLE:

We appreciate the opportunity to provide you with our professional indoor environmental laboratory services. The following environmental assays were performed by our AIHA-accredited partner laboratory, Advanced Chemical Sensors<sup>1</sup>, on the samples submitted by you:

- Formaldehyde Screen Check

The test result estimates the concentration of formaldehyde from the indoor air where the sampling device was placed. This method cannot identify the source of any formaldehyde detected in the air. Formaldehyde is a natural byproduct found in many homes and common household items. Formaldehyde is found in construction materials like insulation, composite wood products (such as cabinets, flooring, furniture, and plywood), engineered wood products, glues and adhesives, paints and coatings. Other sources include textiles, wallpaper, household cleaning products and soaps, preservatives, cosmetics, some air fresheners, pet care products, bactericides and fungicides.<sup>2,3</sup> Formaldehyde is also found in tobacco smoke, gas stoves, kerosene space heaters, and fireplaces.

There is no universally accepted exposure limit for formaldehyde in indoor environments. However, the World Health Organization has endorsed an indoor air quality guideline of 0.1 mg/m<sup>3</sup> (0.081 ppm) as protective against sensory irritation and long-term health effects (Reference: Guidelines for Indoor Air Quality; ISBN 978 92 89002134, WHO 2010). Agencies such as the U.S. Environmental Protection Agency and the U.S. Consumer Product Safety Commission also have resources and recommendations on formaldehyde exposure.

Please call me at 1-800-422-7873, ext. 301, should you have any questions. We look forward in assisting you to create a healthy indoor environment for you and your organization.

Sincerely,

Dr. Rajiv Sahay, CIAQP, FIAS  
EDL Laboratory Director

<sup>1</sup> Visit <http://pureaircontrols.com/laboratory-credentialsaccreditation/> for information on our partner labs.

<sup>2</sup> US EPA's TEACH Chemical Summary

<sup>3</sup> CPSC's Update on Formaldehyde



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# Laboratory Analysis Report "Other" Samples

Client: **Building Health Check, LLC**  
Jobsite: **JOHN EXAMPLE**  
Location: **N/A**

PACS ID and WO #:  
**06528-018539**  
Project Date: **4/06/2015**  
Date Issued: **4/20/2015**

Mech. Unit: 1  
Zone: Bedroom  
Test Site: 4' from floor in center

Sample #	Sample Type	Date	Exposure Time	Badge #	Results*	Units
99999	Formaldehyde - with Lab Analysis	4/03/15	24 hours	GB6985	0.029	ppm

**Note:** Due to the extreme project lab load that we have experienced over the past few months and the quality control/quality assurance (QA/QC) requirements placed on the project, many lab requests are being reported later than our projected response dates. We regret any inconvenience this may have caused.

### Method of Analysis: NIOSH 2016 M

**BDL** = Below Detection Limit. Results are less than the method detection limit.  
< = Less Than or Equal To. The analyte was detected but at a level too low to be accurately quantitated. The actual amount is less than or equal to the reported value.

\* The VOC's and Formaldehyde analyses are performed by our AIHA LAP LLC accredited partner laboratories.  
Your sample was analyzed by Advanced Chemical Sensors IHLAP Laboratory ID: 102047

*The results in this report apply only to the sample(s) specifically listed above and received at Environmental Diagnostics Laboratory. Unless otherwise noted, samples were received in good condition. Laboratory-prepared Quality Control (QC) samples are analyzed with the samples routinely; however, unless a blank (control) is received, the result for the control is not compared.*

Quality Controlled By : 

Approved By :   
Rajiv R. Sahay, Ph.D.



**End of Report**