

## Issue 24

December 2012

### **Formaldemeter htv-m used for Study into the indoor air quality of Pharmaceutical Laboratories in Malaysia.**

In the research four pharmacy laboratories were selected to carry out an IAQ audit. The data collected in field measurements included temperature, RH, air velocity, HCOH, CO<sub>2</sub>, CO, TVOCs and particles present in air.

The concentration of Formaldehyde collected by the htv-M in each of the laboratories fluctuated from 0.039 to 0.058 ppm, 0.035 to 0.058 ppm, 0.029 to 0.038 ppm and 0.026 to 0.053 ppm for Laboratories 1–4, respectively. The average concentration of HCOH was found to be 0.0465, 0.0428, 0.0323, and 0.0386 ppm for each of the laboratories.

Link - <http://www.sciencedirect.com/science/article/pii/S2212609012000106>

### **Survey of distributors aims to give insight into international marketplace.**

In order for PPM to support our product range and to help the company it is crucial that we have an accurate picture of the trends in the global marketplace for formaldehyde detection and other IAQ parameters. Therefore, we annually send out a survey to distributors with the aim of gaining information regarding the state of the current market in their particular country/region.

The survey has been sent out last week and we are still waiting for a response from most distributors, we'd really appreciate your feedback. If you haven't received the survey and would like to complete it, contact me at [gareth@ppm-technology.com](mailto:gareth@ppm-technology.com)

### **US: Formaldehyde Emissions from Press Wood Products Legislation to be implemented January 2013.**

On July 7, 2010, President Obama signed the Formaldehyde Standards for Composite Wood Products Act into law. This legislation will establish limits for formaldehyde emissions from composite wood products: hardwood plywood, medium-density fiberboard, and particleboard. The national emission standards in the Act mirror standards previously established by the California Air Resources Board.



Link - <http://www.epa.gov/opptintr/chemtest/formaldehyde>

Article - <http://www.wbpionline.com/features/monitoring-the-air-in-our-environment>

### **US Green Building Council publishes procedures for Indoor Air Quality (IAQ) management.**

The aim of these procedures is to contribute to the comfort and well-being of building occupants by establishing minimum standards for indoor air quality (IAQ).

Link - <https://new.usgbc.org/node/2616404>

If you have any relevant stories, including any recent or upcoming exhibitions, application stories or customer testimonials that you want to be included in the next newsletter please feel free to contact us:

[gareth@ppm-technology.com](mailto:gareth@ppm-technology.com)

## Importance of renewing Formaldehyde Calibration Standards

Renewing Formaldehyde calibration standards is vital to ensure our Formaldemeter instruments are detecting accurately. Each standard has a life-span of 6 months. Formaldehyde naturally decays even at high concentration after about 6-7 months and thus the calibration standards become inaccurate and renewal is required.



The calibration standard tube is used for checking and adjusting the calibration of the Formaldemeter. A known concentration of formaldehyde is generated in the headspace of the calibration standard, this is temperature dependent. Vapour can be sampled by the instrument to check accuracy and performance.

PPM or our distributors can set-up a system for automatically sending standards to customers when renewal is required. Contact [sales@ppm-technology.com](mailto:sales@ppm-technology.com) for details.

### ECHA - Formaldehyde listed as a known animal carcinogen.

Formaldehyde was previously classified as a 'suspected human carcinogen' by the European Chemicals Agency (ECHA), it has now been upgraded to a 'known animal carcinogen' on the basis of numerous studies where squamous cell carcinomas were evident. The ECHA have also classified formaldehyde as a category 2 mutagen, which exerts its effects at the point of contact. The ECHA will forward the opinion to the European Commission, which is responsible for making the opinion legally binding.

Link - [Article](#)

### Christmas Holiday Closing Dates

PPM will be closed for Christmas between the 20<sup>th</sup> of December and the 3<sup>rd</sup> of January. We will reply to any requests and dispatch goods as soon as possible when we re-open in the New Year. If you have any urgent requests contact [bjones@ppm-technology.com](mailto:bjones@ppm-technology.com)



*PPM Technology would like to wish all readers  
a Merry Christmas and a Happy New Year!*



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[gareth@ppm-technology.com](mailto:gareth@ppm-technology.com)

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