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Advanced Chemical Sensors, Inc. Technical Information Sheet

Formaldehyde Vapor Monitor Catalog No. F-50

General

The Formaldehyde Vapor Monitor can be used to measure personal exposure or room concentrations. This monitoring badge will be accepted in as accurate in any inspection or dispute, because it is validated for accuracy, and analyzed in an AIHA accredited laboratory.

Indoor Air Quality

For measurement of indoor air quality, The EPA and The American Lung Assoc. recommend a maximum level of 0.1 ppm. Some people may be sensitive to lower levels. The monitoring badge should be placed in the room for about 24 hours. Then it will be accurate at a level of 0.003 ppm (3 parts per billion). For a 48 hour exposure, the minimum level is even lower.

It is very easy to do the test. Expose the monitoring device in the area to be tested. The optimum exposure time is 24 hours. Return for analysis in the envelope provided. Results are available within 48 hours. The price includes the testing and written report.

Workplace Exposure

Measurement of personal exposure is very easy. Clip the monitoring badge near the breathing zone. Record the start time of the test. Return in to the laboratory in the mailer provided. Results are available in less than 48 hours.

OSHA Regulations

Each person who uses formaldehyde as a regular part of their job must have their exposure monitored periodically, according to OSHA regulations.

There are two conditions that must be met to comply with the OSHA Standards for personal exposure in the workplace. First, the concentration for an 8 hour period must be less than 0.75 ppm. Second, the maximum exposure during any 15 minute interval must be less than 2.0 ppm. Above the action level more frequent monitoring is needed to avoid the need for protective equipment and for medical testing.

The Formaldehyde Vapor Monitor meets OSHA accuracy requirements for both the full shift and short-term measurements.