

## TECHNICAL INSERT

Item No	587	Monitor for	Prepared by	CG
Edition	Feb 2021	Hydrogen Peroxide	Approved by	MDRP

The Hydrogen Peroxide Personal Monitor is designed to measure exposure to chemicals in order to demonstrate workplace compliance with Permissible Exposure Limits (PELs) and Short Term Exposure Limits (STELs) defined by the Occupational Safety and Health Act of 1970 and Title 29 Code of Federal Regulations

This **Technical Insert** contains product specific information on use and storage.

9159-587 02/21

<b>Sampling Medium:</b>	Chemically Activated Silica Gel Adsorbent
<b>Analyte Sampled:</b>	Hydrogen Peroxide (H <sub>2</sub> O <sub>2</sub> )
<b>Analytical Method:</b>	Modified OSHA VI-6: Spectrophotometric analysis
<b>Recommended Sampling Time:</b>	PEL = 8 hrs or full shift Functional Range: 15 minutes – 8 hours
<b>Recommended Holding Time:</b>	Monitors must be received by Lab <b>within two (2) weeks after sampling.</b>
<b>Sample Capacity:</b>	10 ppm for 8 hour sample (80 ppm-hrs)
<b>Reporting Limit (RL):</b>	0.02 ppm for 8 hour sample (0.16 ppm-hrs)
<b>Sampling Rate (SR):</b>	137 mL/min
<b>Interfering Substance(s):</b>	Compounds that form Hydrogen peroxide in the presence of acids will interfere. Tests can be made for particular chemicals that may be suspected.
<b>Effect of Temperature:</b>	Effect on result ≤ 5% within 0 - 50°C (32 - 122°F).
<b>Effect of Humidity:</b>	Functions as claimed from 30 - 92% RH
<b>Accuracy (MTE):</b>	Meets or exceeds OSHA requirements for accuracy: Maximum Total Error (MTE) ≤ 19% at 1 ppm for 8 hours.
<b>Storage Conditions:</b>	Store at controlled room temperature. Do Not Use after Expiration Date printed on pouch.
<b>IMPORTANT:</b>	Warranty valid only if <b>Instructions for Use</b> have been followed.
<b>WARNING:</b>	Wash affected area thoroughly if Sampling Medium is contacted.

For detailed directions, see **Instructions for Use** included in each package of Monitors.

For detailed information about the Personal Monitor, refer to *AT Labs IH Sampling Guide* at [www.assaytech.com](http://www.assaytech.com)

or call **TOLL FREE NUMBER 1-800-833-1258**