

## TECHNICAL INSERT

Item No	585	ChemDisk™ Monitor for	Prepared by	CG
Edition	Feb 2021	Organic Amines	Approved by	MDRP

The ChemDisk™ 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.

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<b>Sampling Medium:</b>	Fiberglass coated with 1-naphthyl isothiocyanate (NIT)
<b>Analytes Sampled:</b>	Primary and Secondary Organic Amines; See <i>AT Labs IH Sampling Guide</i>
<b>Analytical Method:</b>	Modified OSHA 60: Desorption in Acetonitrile; analysis by High Performance Liquid Chromatography (HPLC) with UV/VIS detection
<b>Recommended Sampling Time:</b>	STEL = 15 min; 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 four (4) weeks after sampling.</b>
<b>Sample Capacity:</b>	Analyte dependent; See <i>AT Labs IH Sampling Guide</i>
<b>Reporting Limit (RL):</b> *AT Labs specific	Analyte dependent; See <i>AT Labs IH Sampling Guide</i>
<b>Sampling Rate (SR):</b>	Typically 7 - 14 mL/min; See <i>AT Labs IH Sampling Guide</i>
<b>Interfering Substance(s):</b>	Amines in <i>AT Labs IH Sampling Guide</i> list do not interfere if HPLC resolution is adequate.
<b>Effect of Temperature:</b>	Effect on result $\leq$ 5% within 0 - 50 °C (32 - 122 °F).
<b>Effect of Humidity:</b>	Functions as claimed within 10 - 80% RH.
<b>Accuracy (MTE):</b>	Meets or exceeds OSHA requirements for accuracy: Maximum Total Error (MTE) $\leq$ 25% at PEL; $\leq$ 25% at STEL
<b>Storage Conditions:</b>	Store under <b>refrigerated conditions</b> for maximum shelf life. 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 information about each analyte which can be sampled, refer to *AT Labs IH Sampling Guide* at [www.assaytech.com](http://www.assaytech.com)

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