TECHNICAL INSERT

Item No	584	ChemDisk™ Monitor for Ammonia		Prepared by	CG
Edition	Feb 2021			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.

9159-584 02/21

Sampling Medium:	Fiberglass coated with Sulfuric acid
Analyte Sampled:	Ammonia
Analytical Method:	Modified OSHA 188: Desorption in 30mM Methanesulfonic acid (MSA); analysis by Ion Chromatography (IC)
Recommended Sampling Time:	STEL = 15 min; PEL = 8 hours or full shift Functional range: 15 minutes - 8 hours
Recommended Holding Time:	Monitors must be received by Lab **within two (2) weeks after sampling.**
Sample Capacity:	57 ppm for 8 hour sample (456 ppm-hrs)
Reporting Limit (RL): *AT Labs specific	0.31 ppm for 8 hour sample; 10 ppm for 15 min sample (2.5 ppm-hrs)
Sampling Rate (SR):	28.8 mL/min
Interfering Substance(s):	Ammonium salts and volatile amines may interfere.
Effect of Temperature:	Effect on result ≤ 5% within 0 - 50 °C (32 - 122 °F).
Effect of Humidity:	Functions as claimed within 10 - 80% RH.
Accuracy (MTE):	Meets or exceeds OSHA requirements for accuracy: Maximum Total Error (MTE) ≤ 25% at PEL; ≤ 25% at STEL
Storage Conditions:	Store under **refrigerated conditions** for maximum shelf life. Do Not Use after Expiration Date printed on pouch.
IMPORTANT:	Warranty valid only if **Instructions for Use** have been followed.
WARNING:	Sampling Medium contains sulfuric acid; if contacted, immediately wash affected area thoroughly.

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

For detailed information about the ChemDisk™ Personal Monitor, refer to *AT Labs IH Sampling Guide* at www.assaytech.com or call **TOLL FREE NUMBER 1-800-833-1258**