

UMEX³⁰⁰ Passive Sampler

Workplace Ammonia Sampling Made Easy

- Chemistry similar to active Methods OSHA ID-188 and NIOSH 6016
- Accurate, reliable occupational sampling and environmental monitoring
- No assembly required – simply move slide to sample
- Lightweight and clips easily in the breathing zone
- Economical
 - No pump or training required
 - Low-cost sampler
- Safe – no glass or sulfuric acid liquid in the sampler
- Enhanced sensitivity with 39.92 ml/min uptake rate for 15-minute, 8-hour, and 24-hour sampling
- Stand accessory available for area sampling
- UME^x samplers are also available for formaldehyde/other aldehydes, amines, and sulfur dioxide/nitrogen dioxide – learn more at skcinc.com

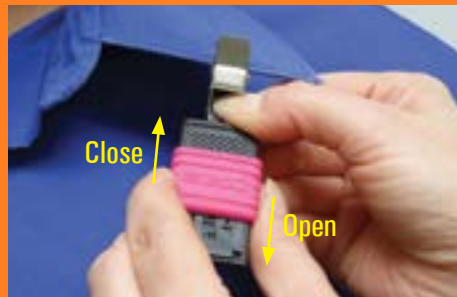


The SKC UME^x 300 Passive Sampler accurately and reliably samples workplace exposure to ammonia. With its 39.92 ml/min sampling rate, the sensitive UME^x 300 detects ammonia to 2.4 ppm for a 15-minute sample, 0.075 ppm for an eight-hour sample, and 0.025 ppm for a 24-hour sample. Each sampler contains a length of sulfuric acid-treated tape. Analysis is by ion chromatography (IC) with conductivity detection (CD) or visible absorption spectrometry for the ammonium ion.

So easy to use!



Clip



Sample



Ship

See more information and ordering on reverse side!

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Applications/Industries

Ammonia is one of the most commonly produced industrial chemicals in the United States. Workers can be exposed to ammonia in the following industries:

- **Agricultural** (fertilizers)
- **Janitorial services** (cleaners)
- **Food and beverage** (refrigeration and fermentation)
- **Remediation**
- **Fuel**
- **Manufacturing**
 - Plastics
 - Explosives
 - Pesticides
 - Textiles
 - Dyes



UMEX³⁰⁰ Sampler with sliding cover in sampling position

Performance Profile

Sampling Rate: 39.92 ml/min with a relative standard deviation of 11.4%

Validated Concentration Range: 0.1 to 100 ppm

Analysis Method: Solvent extraction and ion chromatography with conductivity detection or visible absorption spectrometry for the ammonium ion

Lower Detection Limits:

15 min:	2.4 ppm
8 hrs:	0.075 ppm
24 hrs:	0.025 ppm

Shelf-life: 9 mos from date of manufacture at ≤ 39.2 F (4 C)

Storage: Before use: ≤ 39.2 F (4 C)

After use: Ambient temperature (72 F [22 C]) or ≤ 39.2 F (4 C) and analyze within 3 weeks

Accuracy: ± 23.4%

Temperature Effects: No effect on sampling rate from 22 to 40 C

Humidity Effects: No effect from 20 to 80% relative humidity (RH)

Wind Velocity Effects: No effect from 5 to 100 cm/sec

Interferences: None identified

Dimensions: 3.4 x 1.1 x 0.35 in (8.6 x 2.8 x 0.89 cm)

Weight: 0.38 oz (10.9 gm)

Slide Cover: Pink

Ordering Information

Description	Cat. No.
UMEX ³⁰⁰ ,** for ammonia, pk/10	500-300

* Limited shelf-life. Do not store with food

‡ Requires storage at ≤ 39.2 F (4 C) before use

UMEX³⁰⁰ passive samplers are designed for single use only. Do NOT reuse UMEX³⁰⁰ samplers.

Accessories	Cat. No.
Treated Tape, for QC purposes only, pk/25	P20083
Stand for Area Sampling	690-302

Learn more at www.skinc.com!

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SKC Inc. 800-752-8472

SKC-West 800-752-9378

SKC South 800-752-7684

www.skinc.com