



# Performance Profile

## SKC Sulfur Dioxide and/or Nitrogen Dioxide Passive Sampler (Cat. No. 500-200)

### Sampling Rate

**Sulfur Dioxide:** 15.1 ml/min with a relative standard deviation of 16.7%

**Nitrogen Dioxide:** 12.83 ml/min with a relative standard deviation of 13.4%

### Validated

#### Concentration Range

for SO<sub>2</sub> and/or NO<sub>2</sub>: 0.4 to 8 ppm

#### Analysis Method

for SO<sub>2</sub> and/or NO<sub>2</sub>: Solvent extraction and IC analysis

#### Lower Detection Limits

for SO<sub>2</sub> and/or NO<sub>2</sub>: 15 minutes: 2 ppm

8 hours: 0.1 ppm

#### Shelf-life:

18 months from date of manufacture at ambient temperature

#### Storage:

*Before use:* Ambient temperature

*After use:* Analyze within 3 weeks. Can be stored at ambient temperature or at ≤ 39.2 F (4 C)

⚠ **Do not store with food.**

#### Accuracy

(SO<sub>2</sub> and/or NO<sub>2</sub>): ± 30%

**Temperature Effects:** No effect on sampling rate between 20 and 25 C

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

**Wind Velocity Effects:** No effect from 0.05 to 1.0 m/s

**Interferences:** None identified

**Dimensions:** 3.4 x 1.1 x .35 in (8.6 x 2.8 x .89 cm)

**Weight:** 0.38 oz (10.9 gm)

**Slide Cover:** Yellow