



Operating Instructions

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Passive Sampler for Styrene Cat. No. 575-006



The SKC 575-006 Passive Sampler for styrene is a small ready-to-use passive sampler that provides superior collection of styrene without the use of a sample pump. The sampler has been validated in OSHA Method 1014 and identified as a viable alternative to active sampling for styrene.

Performance Profile

Sorbent/Amount:	Anasorb® 747, treated with tert-Butyl catechol, 500 mg
Housing material:	Nylon
Diameter:	1.4 in (3.5 cm)
Length: (including clip)	2.5 in (6.3 cm)
Depth:	0.6 in (1.5 cm)
Concentration range:	0.1 to 202 ppm
Analysis:	Solvent desorption, Gas Chromatography/Flame Ionization Detector (GC/FID)
Shelf-life:	2 years at ambient
Storage:	<i>Before use:</i> Store at ambient temperature. <i>After use:</i> Up to 2 weeks at ambient temperature
Sample time:	Validated for 15-min and 8-hr occupational exposure sampling (cannot be used for peak sampling)
Sampling rate:	13.55 ml/min

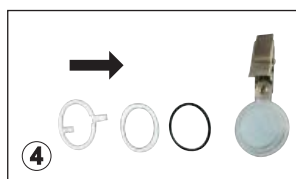
Sampling

1. Remove sampler from sealed pouch. Retain and set aside all other parts, including the desorption efficiency tube(s).
2. Write the start time, date, and a user-assigned sampler ID number on the label on the back of the sampler. On a sheet of paper, note the temperature and atmospheric pressure at the sampling site.
3. Remove the lock, cap, and O-ring from the sampler and set aside. Clip sampler to worker's clothing in the breathing zone. Ensure small holes are facing out.



Note: Sample the entire workshift to obtain a true 8-hour exposure. If breaks/lunch are part of the 8-hour workday or occur in the work area, samplers may remain sampling. If desired, the sampler can be removed for breaks/lunch and sealed with the provided cap. When the worker returns to the work area, replace the sampler on the worker's clothing and remove the cap. Note the times the sampler is removed from and placed back on the worker to ensure accurate air volumes.

4. At the end of the desired sampling period, unclip the sampler from worker clothing. Push the O-ring, cap, and lock (removed during Step 3) onto the side of the sampler containing the holes.
5. Write the stop time on the label on the back of the sampler.
6. Carefully package and send the sampler, all other parts, and sampling site information, including temperature and atmospheric pressure, to an AIHA-accredited laboratory for analysis. If using an in-house laboratory, refer to the analysis instructions available online at www.skinc.com/instructions/37009.pdf.



Storage

Before use: Store at ambient temperature.

After use: Up to 2 weeks at ambient temperature

Analysis

Solvent desorption, Gas Chromatography/Flame Ionization Detector (GC/FID)

See *Analysis Instructions* online at www.skcinc.com/instructions/37009.pdf.

A listing of AIHA-accredited laboratories analyzing the SKC 575-006 Passive Sampler is available at www.skcinc.com. Click on Laboratories.

Validation

OSHA Method 1014

Ordering Information

Description	Sorbent/Amount	Cat. No.	Qty.
Passive Sampler for Styrene	Anasorb 747 treated with tert-Butyl catechol, 500 mg	575-006	5

Accessory

Description	Cat. No.	Qty.
Desorption Efficiency Tubes for 575-006 Samplers	575-052	10

SKC Limited Warranty and Return Policy

SKC products are subject to the SKC Limited Warranty and Return Policy, which provides SKC's sole liability and the buyer's exclusive remedy. To view the complete SKC Limited Warranty and Return Policy, go to <http://www.skcinc.com/warranty.asp>.

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