



Siloxane Sorbent Tubes and Traps

Simplifying Siloxanes

Siloxane Sorbent Tubes/Traps are analyzed according to ASTM Method D8230. Our laboratory has taken a leadership position in the sampling and analysis of siloxanes in biogas and is actively developing several new and improved methods for consideration by ASTM that address the complex and varying gas matrices present in landfills, wastewater treatment plants, dairy farms, and other feedstocks.

Applications

- ▶ Sampling biogas used as fuel for gas-to-energy applications
- ▶ Sampling renewable natural gas, which is used for multiple applications:
 - ▷ General commercial/residential distribution of natural gas for heating
 - ▷ Natural gas turbines for electricity production
 - ▷ Vehicle fuel as compressed natural gas (CNG)

Features and Benefits

- ▶ Significantly better sensitivity than Tedlar Bags and Passivated Cylinders
- ▶ Easy to use
- ▶ Less expensive shipping costs than other methods
- ▶ Can reliably hold sample for up to 14 days (72 hours is max for Tedlar Bags)
- ▶ Increased accuracy since sorbent traps/tubes are not subject to analyte loss during hold time
- ▶ Consists of 500 mg/250 mg dual bed of hydrophobic carbon-based sorbent





Technical Specifications	
Dimensions	10 mm OD x 80 mm L
Media	500 mg/250 mg hydrophobic carbon-based sorbent in borosilicate glass
Max Input Pressure	10 PSI
Max Sampling/Hold Temperature	55 °C
Max Storage Time After Sampling	14 Days

Sampling Recommendations	
Flow Rate	0.5 LPM
Target Volume	30 L
Sampling System Components	Free of organosilicon containing components such as vacuum grease and certain fittings
	Inert tubing and fittings such as coated stainless steel and Teflon

Please contact Ohio Lumex to choose the best sampling system and parameters for your application

Example of a Simple Sampling System

