



SAMPLE BAGS

SCENTROID

Scentroid sample bags are specially made for odour sampling. Available in four different materials each with a specific function. All our bags come with your choice of PTFE or stainless steel fittings. All bags are leak tested and purged to ensure zero background odours.

▶ NALOPHANE

Nalophane is an inexpensive material used for making disposable sample bags. It can be purchased pre-made or as a large roll to reduce cost.

Advantage:

- Low cost
- Disadvantage:
- Ammonia and certain other chemicals easily escape
- High sample degradation
- Samples should be analyzed immediately

▶ TEDLAR

The industry standard for more than 20 years, Tedlar bags provides a storage median and can be reused. They are made of two mils film and are purged to remove background odours.

Advantage:

- Reusable (but must be cleaned thoroughly using a purger or an oven in-between use)
- Disadvantage:
- High cost
- Becomes contaminated with sample and requires extensive purging.
- Still allows some chemicals to escape but at a much slower rate than Nalophan

▶ PTFE

Scentroid is the only manufacturer offering PTFE sample bags. These bags offer a much higher resistance to contamination than Tedlar bags. PTFE also has no background odour and therefore does not require pre-purging. Made with 5-mil for maximum permeability, Scentroid PTFE bags allow for much longer sample storage than Tedlar bags.

Advantage:

- Highly reusable
- Zero background odour
- High resistance to contamination
- Longer sample storage
- Higher resistance to tear or puncture
- High operating temperature
- Disadvantage:
- Similar pricing as Tedlar

▶ STAINLESS STEEL

Scentroid is the only manufacturer in the world to offer stainless steel sampling bags. Each bag is made of electropolished marine grade (316) stainless steel film. The 2-mil stainless steel has the highest permeability of any sample bag material for longer sample storage. Stainless steel sample bags are ideal for sampling corrosive materials such as benzene.

Advantage:

- Longest sample storage
- Zero background odour
- Maximum resistance to contamination inert to most chemical compounds
- High temperature tolerance
- Disadvantage:
- Not suitable for high volume sampling
- Higher initial cost but can be used indefinitely