

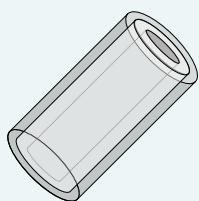
NEW

The world's first large-capacity solid-phase extraction element ! Polar Magic Chemisorber (MC-PEG)

This is an innovative solid-phase extraction element having PEG (polyethylene glycol) as a stationary phase. It features a high selectivity toward alcohols and carboxylic acids.

Features

PEG layer immobilized on the outer wall of a deactivated stainless steel tube.

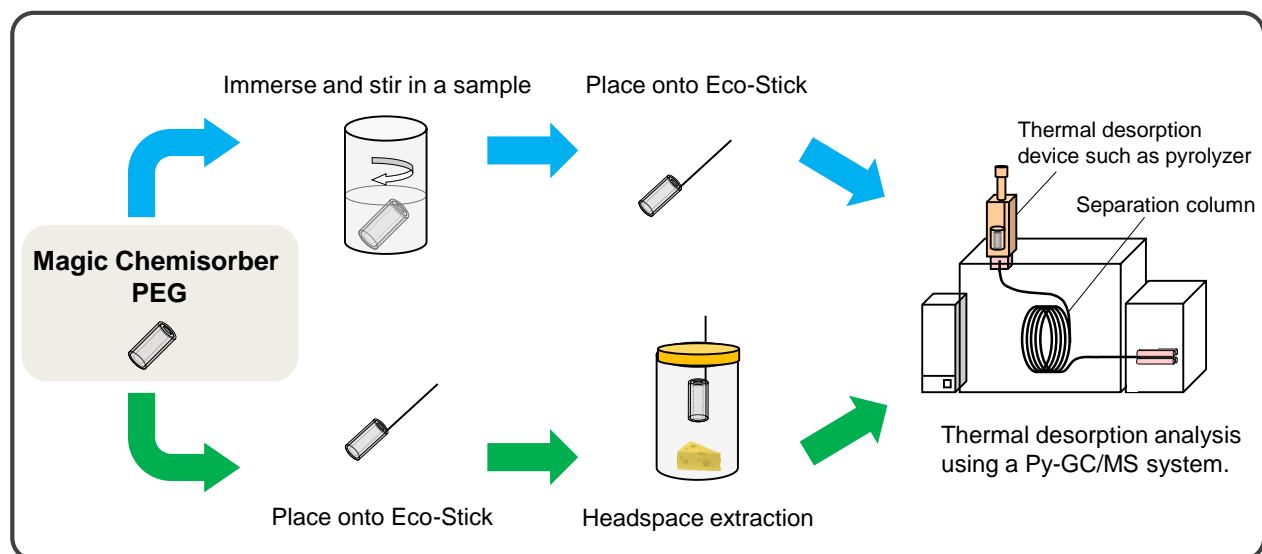


(Film thickness: 30 μm)

- High selectivity toward polar compounds
- Quick and simple sample pretreatment at low cost
- Repeatedly usable

Using Magic Chemisorber PEG (MC-PEG)

The MC-PEG is allowed to suspend or is stirred in a sample (gas, liquid or solid) under given conditions to extract the target compounds. The thermal desorption (TD)-GC analysis is then performed using a pyrolyzer. The extraction element is usually cleaned automatically during GC analysis; therefore, it can be reused immediately for the next sample run.

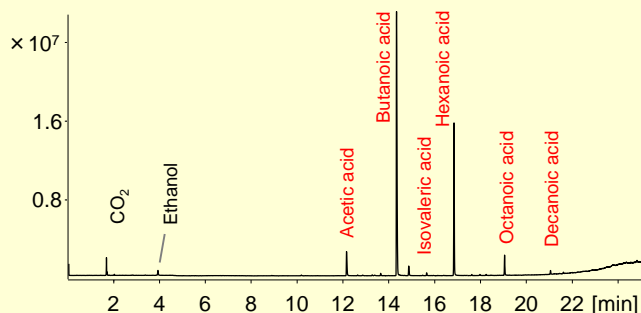


Analysis examples using polar MC-PEG and non-polar MC-PDMS

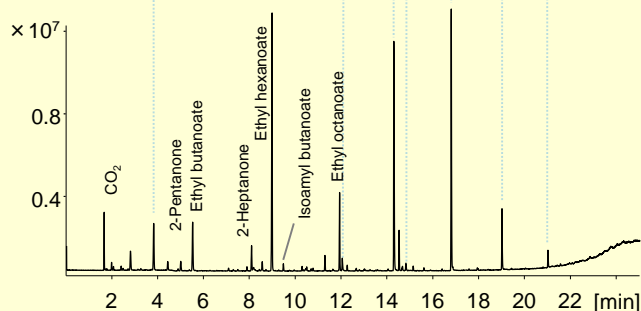
Headspace analysis of cheese

Note the selectivity for polar compounds!

1) Polar MC-PEG (this product)



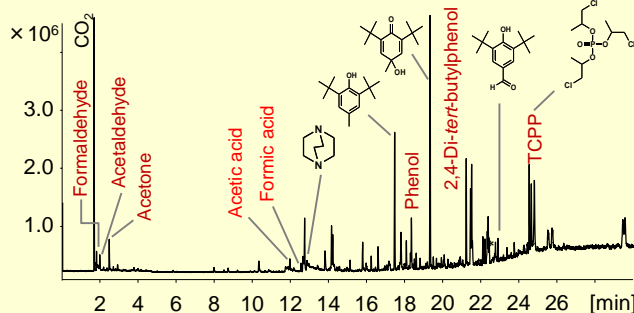
2) Non-polar MC-PDMS



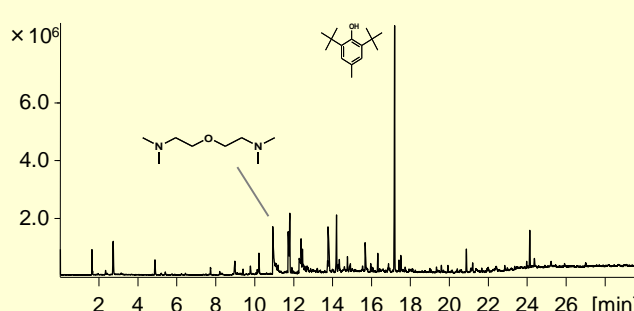
Odor analysis of a new car

Note the selectivity for polar compounds!

1) Polar MC-PEG (this product)



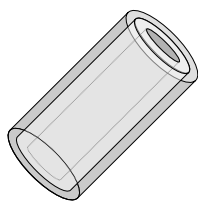
2) Non-polar MC-PDMS



< Analytical conditions >

Column: UA-CW (PEG, 30 m, 0.25 mm, 0.25 μ m, Frontier Labs), GC oven temperature: 40 (3 min hold) - (10 $^{\circ}$ C/min) - 250 $^{\circ}$ C

Specifications



- Dimensions : $L=12.5$ mm, od. 3.2 mm, id. 1.9 mm, df. 30 μ m
- Stationary phase : Polyethylene glycol
- Main material (core) : Deactivated stainless steel
- Max use temperature : 250 $^{\circ}$ C (He)

| Product name | Product number | Contents |
|---------------------------|----------------|--|
| Magic Chemisorber PEG Kit | PY1-MC04P-K | Magic Chemisorber PEG (5 ea.) and Eco-stick GD (5 ea.) |

* Visit our website for details of [non-polar Magic Chemisorber \(MC-PDMS\)](#) of which stationary phase is polydimethylsiloxane.