Thermal desorption tubes

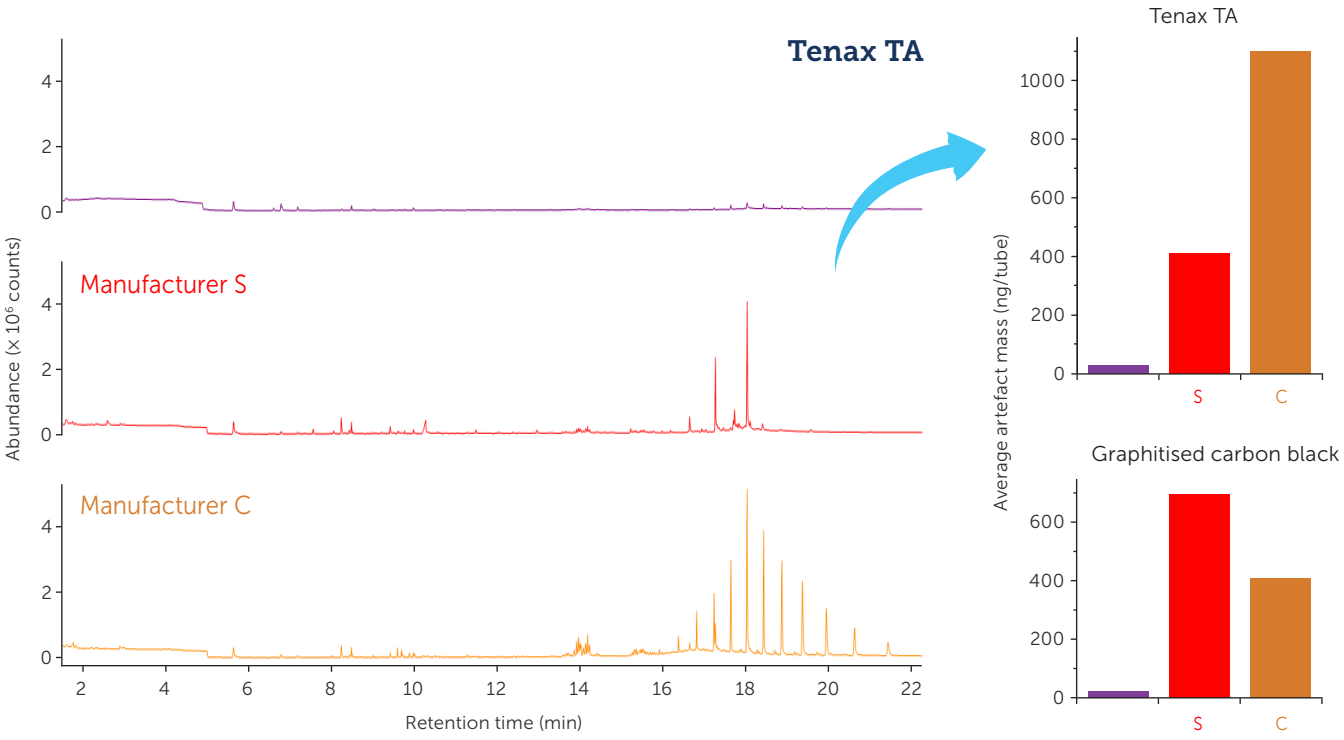
Markes has been manufacturing thermal desorption equipment for over 20 years, and each year we provide technical support and offer applications advice to thousands of customers worldwide. We're also a member of a number of international committees that develop standards in the field of VOC and SVOC analysis.

All this means that we have exceptional expertise on the real-world applications of sorbent tubes, as well as everything to do with thermal desorption. We use this knowledge to provide you with the highest-quality, cleanest sorbent tubes on the market, for:

- Greater confidence in analytical data.
- Improved detection and quantitation of target compounds.
- Improved uptime due to a cleaner TD–GC–MS system.



Markes International supplies conditioned and unconditioned 3½" × ¼" sorbent tubes in stainless steel, inert-coated stainless steel or glass.



Preconditioned sorbent tubes from Markes produce much lower levels of artefacts than those available from other manufacturers – as shown by these results from conditioned tubes packed with Tenax® TA and a graphitised carbon black. All data was acquired using the same instrument parameters on sets of five tubes, and artefact masses were calculated on the basis of toluene equivalents using 1 ng of a toluene-d_8 standard.

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What tube material should I choose?

Tubes from Markes are supplied in your choice of three materials to suit your application:

- Inert-coated stainless steel tubes are proving increasingly popular in order to comply with US EPA Method 325 for refinery fenceline monitoring and related standards regarding emissions from industrial sources. Importantly, the tube is treated with an industry-leading SilcoNert® coating. This eliminates surface adsorption or breakdown of compounds such as sulfur species during analysis, improving the quality of your analytical data.
- Stainless steel tubes are widely used for numerous applications. They are made of the highest-quality material to ensure a long lifetime and value for money.
- Glass tubes are mainly used for pumped sampling and direct desorption of small samples. They are manufactured from high-grade borosilicate glass to ensure maximum lifespan.



What sorbent packing should I choose?

As well as general-use tubes, Markes has designed ranges of ready-packed sorbent tubes optimised for various standard methods and applications, to simplify method development and make selecting the right tube easier.

We can also supply empty TD tubes, which are suitable for direct desorption of liquids and solids, or for those with the expertise and equipment to pack tubes themselves.

Talk to us about your application

Whatever your question – be it about sorbent tubes, sampling methods, or complying with regulations – contact our team of TD specialists to get the answers you need.

ORDER ONLINE

Explore our product range and order directly from our online shop

shop.recomindustriale.com