

Customer Support Note 025

Cleaning inert-coated microchamber pots

Disclaimer: It is vital that this Customer Support Note is read carefully before proceeding and that any instructions contained within the document are followed closely. Markes International will not accept responsibility for any damage done to instrumentation or personnel if any instructions within this document are not followed exactly. Any ongoing warranty or contract may be voided if failure to follow these instructions results in damage to the instrumentation. If anything is unclear, you must clarify the details with a Markes representative before proceeding.

Markes' Micro-Chamber/Thermal Extractor contains stainless steel sample pots that are inert-coated to minimise any damage from reactive compounds. This coating can be cleaned when required, but the following guidelines should be followed to minimise any damage to the coating.

- Use a high-purity solvent that will dissolve surface contaminants.
- Use a non-polar solvent, like pentane or hexane, to remove hydrocarbon contaminants.
- Use a more polar solvent, like acetone, to remove more active contaminants.
- Avoid using cleaners containing abrasives. Abrasives can scratch the coating surface.
- Mild sonication may assist in contaminant removal. Do not sonicate the surface for more than 1 minute.
- Solids can be removed with a soft nylon bristle brush, using light pressure.

CAUTION: Do not use basic solutions or soaps with a pH greater than 8.0.

CAUTION: Do not steam-clean inert-coated surfaces, as this can damage the layer.

NOTE: For high-purity applications, we recommend that the cleaned surface is tested to confirm that solvents are completely removed and that surface activity is not compromised.

For all technical support queries, please contact Markes International.

Email: support@markes.com Tel.: +44 (0)1443 233922