CRITICAL INFORMATION - Please Read

Critical information with regards O-ring seals on your M-CTE250 Microchamber-Thermal Extractor

Two different types of pot-seal O-ring are available for the M-CTE250 Microchamber-Thermal extractor:

- **Black UltrA High Purity (UHP) O-rings**: suitable for temperatures up to 250°C – high cost

- **Brown O-rings**: only suitable for temperatures up to 200°C – low cost

Warning: DO NOT run the M-CTE250 at temperatures higher than 200 °C if you are using the **brown** low temperature O-rings as they will thermally degrade, stick to the lid and pot and will leave a deposit that requires physical abrasion or chemical means to remove.

M-CTE250 systems are supplied with five of the (**black**) UHP O-rings; they are easily distinguishable when packed as they come individually wrapped. Once opened however they can only be distinguished from the (**brown**) lower temperature O-rings by their colour.

Please note that there is a *significant price difference* between the two types of O-ring with the *brown* ones that are suitable for temperatures below 200 °C costing considerably less than the *black* UHP ones.

Care should be taken when closing the M-CTE250 lids to avoid pinching and damaging the supplied *black* UHP O-rings – which are suitable many thermal cycles.

When sampling is complete the lids should be opened immediately to allow the chamber and O-rings to cool. If the O-rings cool with the chamber sealed they can stick to the chamber lid and tear and also become distorted in shape.

Both types of O-ring are available from Markes International or your local Markes distributor, part numbers are as follows:

Part number	Description
M-MCHOR250HT	Pk 4 Ultra High Purity O-rings (suitable for use up to 250°C) - *black*
M-MCHOR250	Pk 20 Low temperature pot-seal O-ring (only suitable for use below 200°C) - *brown*

If you have any technical questions then please do not hesitate to contact Markes International directly (techsupport@markes.com) or your local Markes distributor.