

Reference Material MOSH/MOAH GCxGC-TOF Refined coconut oil

P2303-RMCo2



- Summary -

Please note:

Reference material P2303-RMCo2 is a validated control material and not a certified reference material. The reference material is validated in the ring test P2303-MRT, which is organised, performed, and evaluated according to the requirements of DIN EN ISO/IEC 17043 and the “International Harmonized Protocol”. DIN ISO 13528 is considered during the evaluation of the submitted results and during homogeneity testing. Details related to the applied statistics are summarised in the full specification, which is provided after purchase of the reference material.

Reference material P2303-RMCo2 consists of 50 g of a refined coconut oil, which is spiked with

- a crude oil,
- a paraffin wax,
- a poly alpha olefin (PAO), and
- benzo[a]anthracene.

Benzo[a]anthracene was used for homogeneity testing of the reference material.

The reference material is validated in ring test P2303-MRT with 8 laboratories. The components of MOSH and MOAH, which can be detected in the material are summarised in table 1.

Table 1. Components of MOSH and MOAH in the reference material

n-/i-/cyclo-/multi-branched alkanes
hopanes
steranes
phytane
pristane
PAO
wax
alkylated MOAH
2- to 4-ring MOAH
Absence of POSH
Absence of ROSH
Absence of DIPN
Absence of ROAH