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Reference Material
MOSH, MDAF, TPAF, and MOAH in coconut oil (GCxGC-FID and LC-GC-FID)

P2405-RMCo

- Summary -

Please note:
Reference material P2405-RMCo is validated in method ring test P2405-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 of P2405-MRT 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 P2405-RMIf consists of 60 g of coconut oil, which is spiked with a technical white oil and crude oil (see table 1).

9 laboratories took part in method ring test P2405-MRT. The spiked levels are summarised in table 1.

Table 1. Reference material P2405-RMCo - spiked levels

Parameter	Spiked level [mg/kg]
Total MOSH (total hump) (≥ n-C10 to ≤ n-C50)	4.5**
MDAF (mono- diaromatic fraction)*	2.4
TPAF (tri- and polyaromatic fraction)	3.7
Total MOAH (total hump) (≥ n-C10 to ≤ n-C50)	6.1

* includes 2.5-ring systems

** Target value: spiked level of 3.4 mg/kg plus level of MOSH in the raw material (1.1 mg/kg, assigned value in P2301-MRT).