

Reference Material
MOSH/MOAH GC×GC-TOF-MS
Cocoa butter

P2606-RMCo



Summary

Reference material P2606-RMCo is designed for qualitative analysis of MOSH and MOAH, of subgroups thereof, as well as of typical marker substances. The material is suitable for analysis by GC×GC-TOF-MS.

Reference material P2606-RMCo is validated in method ring test P2606-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 P2606-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 P2606-RMDb consists of 60 g of cocoa butter, which is spiked with a crude oil standard and a paraffin wax, and contains a contamination with POSH and DIPN.

7 laboratories reported results in method ring test P2606-MRT related to the test material cocoa butter. Results are evaluated based on a yes/no criterion for the presence resp. absence of the subgroups and the marker substances.

The material contains

- n-alkanes, i-alkanes, multi-branched alkanes, cycloalkanes,
- hopanes,
- steranes,
- phytane,
- pristane,
- POSH,
- wax
- Alkylated benzenes, alkylated naphthalenes, alkylated anthracenes, alkylated benzanthracenes,
- 1- to 6-ring MOAH,
- DIPN, and
- benzothiophenes,

while

- PAO,
- ROSH, and
- ROAH

are not present.