



ASTM method D 2887, simulated distillation

Conditions: OPTIMA® 5-HT, 15 m, 0.32 mm ID, 0.25 µm
(REF 726 108.15)

Sample: ASTM D 2887 calibration mix in pentane

Injection: 1.0 µl, splitless, cold on column injection

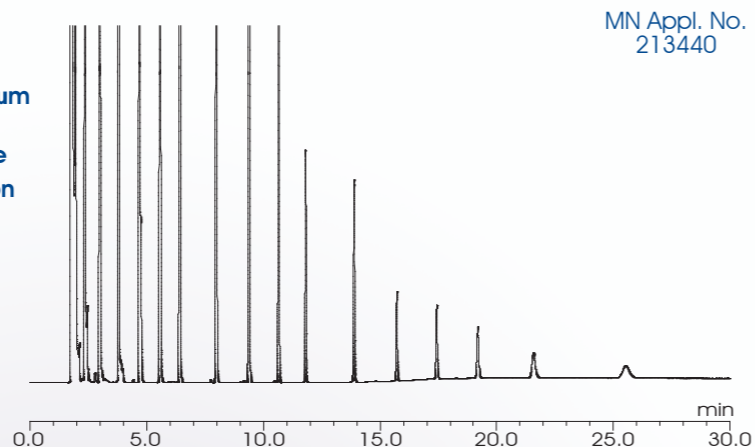
Gas: Helium, 0.6 bar

Temperature: 35 °C -> 360 °C (15 °C/min.) (5 min.)

Detector: FID, 280 °C

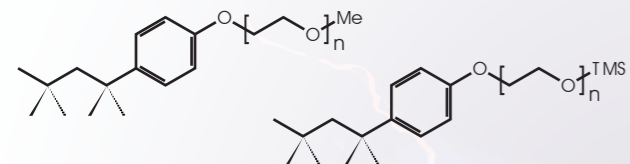
Peaks:

1. Hexane, 2. Heptane, 3. Octane, 4. Nonane, 5. Decane,
6. Undecane, 7. Dodecane, 8. Tetradecan, 9. Hexadecane,
10. Octadecane, 11. Eicosane, 12. Tetracosane,
13. Octacosane, 14. Dotriacontane, 15. Hexatriacontane,
16. Tetracontane, 17. Tetratetracontane



MN Appl. No.
213440

Triton test (Methyl- and TMS-ether)



Conditions: OPTIMA® 5-HT, 15 m, 0.25 mm ID, 0.1 µm
(REF 726 102.15)

Sample: Triton-Methyl and -TMS ether
(p-tert-Octylphenol-derivates
with polyethylene glycol-chains)

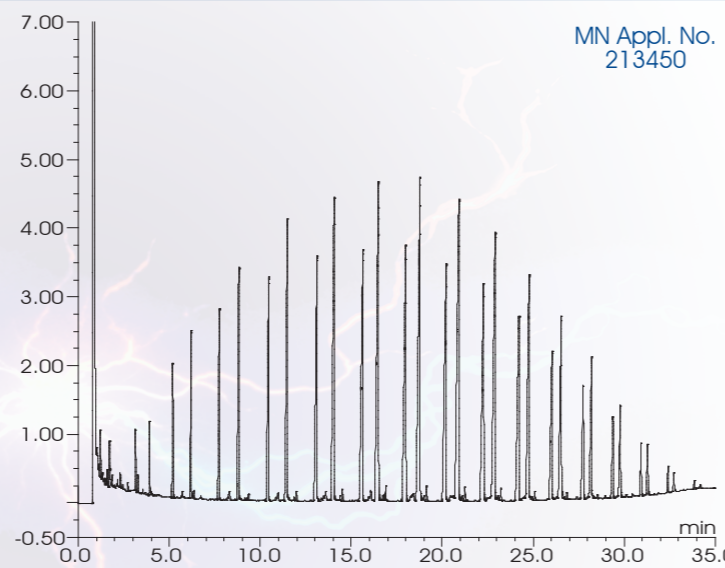
Injection: 1 µl, split 1:40

Inj. temp.: 350 °C

Gas: Hydrogen, 0,8 bar

Temperature: 200 °C -> 400 °C (6 °C/min.) (20 min.)

Detector: FID, 380 °C



MN Appl. No.
213450

OPTIMA® 5 HT

- max. temperature or isothermal runs: 400 °C
- low bleed column, non polar, ideal for MS detectors, can be rinsed with solvents
- application area: for simulated distillation, hydrocarbon-, fuel-, oil-analysis, high boiling analytes
- chemically bonded, cross-linked silarylene phase, polarity index according to 5% Phenyl / 95% Methyl-Polysiloxane
- similar phases: DB-5HT, VF-5HT, HT-5, XTI-5HT, ZB-5HT
- USP G 27 / G 36

REF	length [m]	ID [mm]	film [µm]
726102.15	15	0.25	0.1
726102.30	30	0.25	0.1
726104.15	15	0.32	0.1
726104.30	30	0.32	0.1
726106.15	15	0.25	0.25
726106.30	30	0.25	0.25
726108.15	15	0.32	0.25
726108.30	30	0.32	0.25

GC5HT EN3/1/03.10 PD
KATEN200075
Printed in Germany

Chromatography

GC OPTIMA® 5 HT

lowest bleeding
optimal deactivation
highest temperature stability

www.mn-net.com

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