

Sterols (TMS Derivatives) - Peanut Oil on MEGA-LAP Column

Column: **MEGA-LAP - 0.32mm, 0.10 μ m, 25m**

Catalog Code: C-LAP-032-010-25

MEGA-LAP (Lipid Analysis Phase) is a dedicated stationary phase optimized for Lipids, Sterols and saturated and unsaturated Triglycerides separations, stable over 370°C.

Conditions:

Injection: Split 300°C, 1.0 μ L, 1:80 Split Ratio.

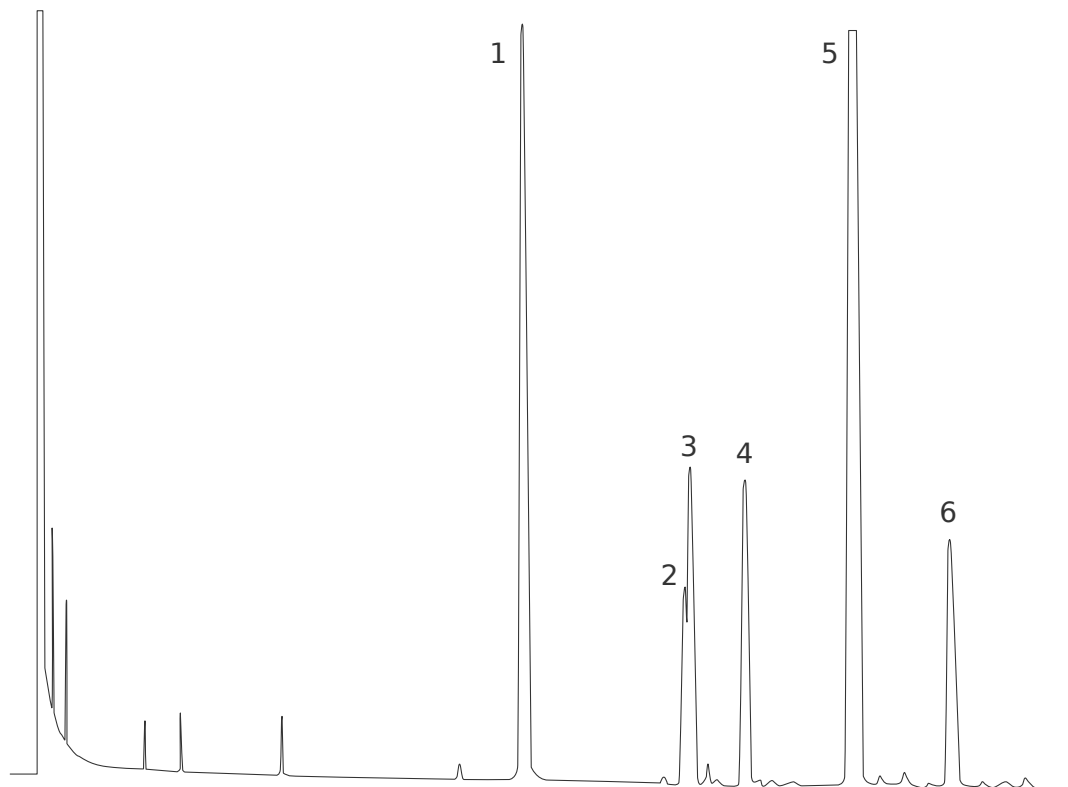
Detector: FID 300°C.

Oven Temp.: 260°C Isothermal.

Carrier Gas: Hydrogen, 2mL/min.

Peaks:

1. Alpha-cholestanol (I.S.)
2. 22,23-dihydro-brassicasterol
3. Campesterol
4. Stigmasterol
5. Sitosterol
6. Δ 5-campesterol



Acknowledgement: Dott. C. Mariani - Stazione Sperimentale Oli e Grassi, Via Giuseppe Colombo 79 - Milano - Italy.



Sterols (TMS Derivatives) - Corn Oil on MEGA-LAP Column

Column: **MEGA-LAP - 0.32mm, 0.10 μ m, 25m**

Catalog Code: C-LAP-032-010-25

MEGA-LAP (Lipid Analysis Phase) is a dedicated stationary phase optimized for Lipids, Sterols and saturated and unsaturated Triglycerides separations, stable over 370°C.

Conditions:

Injection: Split 300°C, 1.0 μ L, 1:80 Split Ratio.

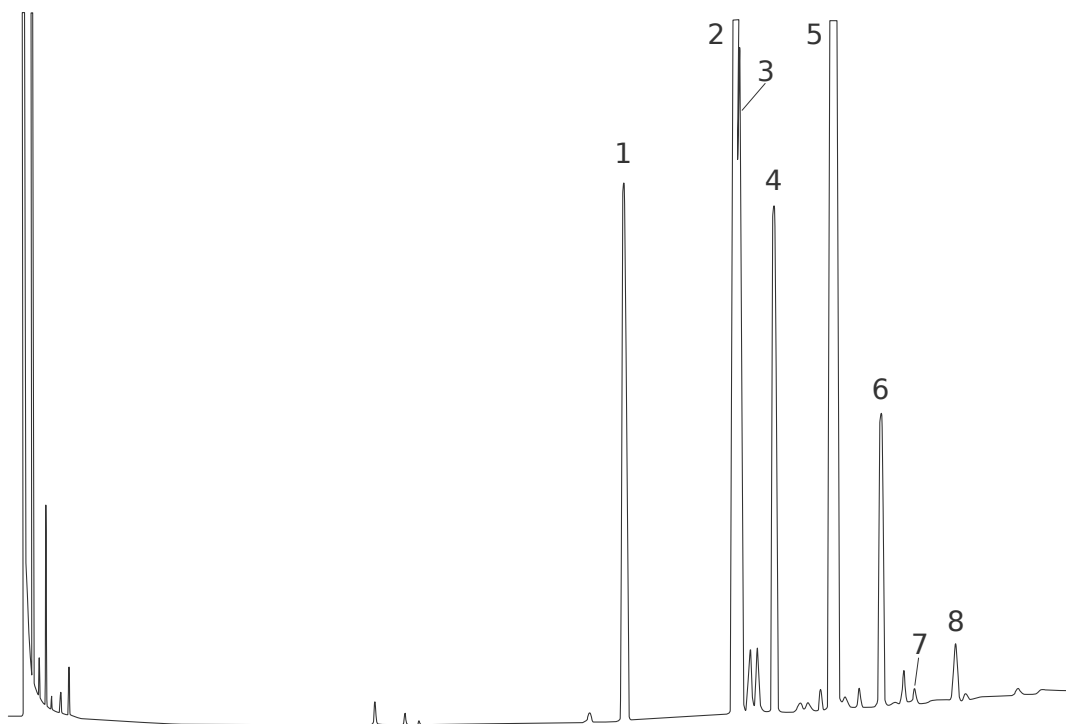
Detector: FID 300°C.

Oven Temp.: 260°C Isothermal.

Carrier Gas: Hydrogen, 2mL/min.

Peaks:

1. Alpha-cholestanol (I.S.)
2. 22,23-dihydro-brassicasterol
3. Campesterol
4. Stigmasterol
5. Sitosterol
6. Δ 5-avenasterol
7. Δ 7-stigmasterol
8. Δ 7-avenasterol



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Sterols (TMS Derivatives) - Soy Oil on MEGA-LAP Column

Column: **MEGA-LAP - 0.32mm, 0.10µm, 25m**

Catalog Code: C-LAP-032-010-25

MEGA-LAP (Lipid Analysis Phase) is a dedicated stationary phase optimized for Lipids, Sterols and saturated and unsaturated Triglycerides separations, stable over 370°C.

Conditions:

Injection: Split 300°C, 1.0µL, 1:80 Split Ratio.

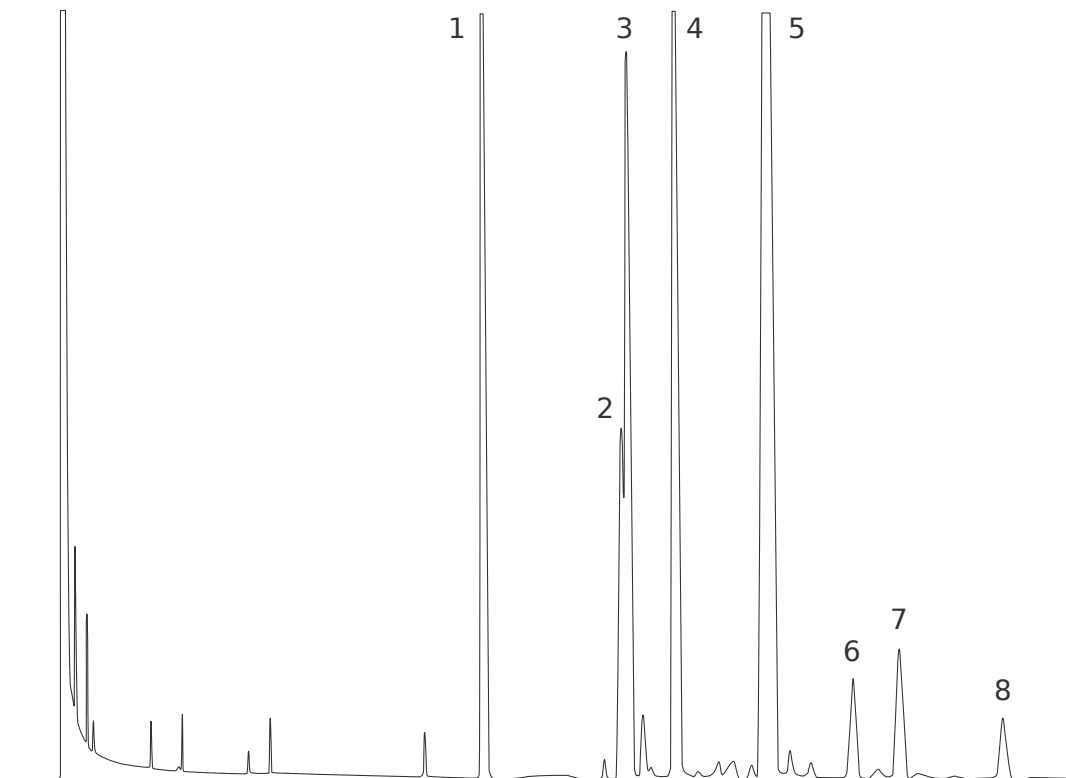
Detector: FID 300°C.

Oven Temp.: 260°C Isothermal.

Carrier Gas: Hydrogen, 2mL/min.

Peaks:

1. Alpha-cholestanol (I.S.)
2. 22,23-dihydro-brassicasterol
3. Campesterol
4. Stigmasterol
5. Sitosterol
6. Δ5-avenasterol
7. Δ7-stigmasterol
8. Δ7-avenasterol



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Sterols (TMS Derivatives) - Sunflower Oil on MEGA-LAP Column

Column: **MEGA-LAP - 0.32mm, 0.10 μ m, 25m**

Catalog Code: C-LAP-032-010-25

MEGA-LAP (Lipid Analysis Phase) is a dedicated stationary phase optimized for Lipids, Sterols and saturated and unsaturated Triglycerides separations, stable over 370°C.

Conditions:

Injection: Split 300°C, 1.0 μ L, 1:80 Split Ratio.

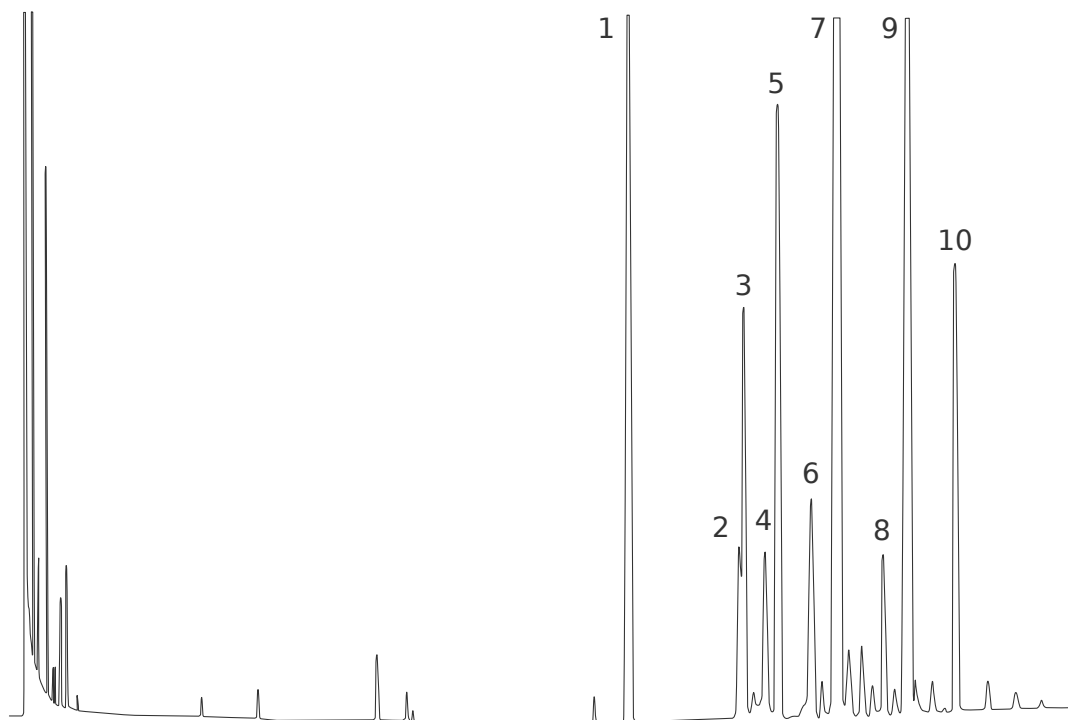
Detector: FID 300°C.

Oven Temp.: 260°C Isothermal.

Carrier Gas: Hydrogen, 2mL/min.

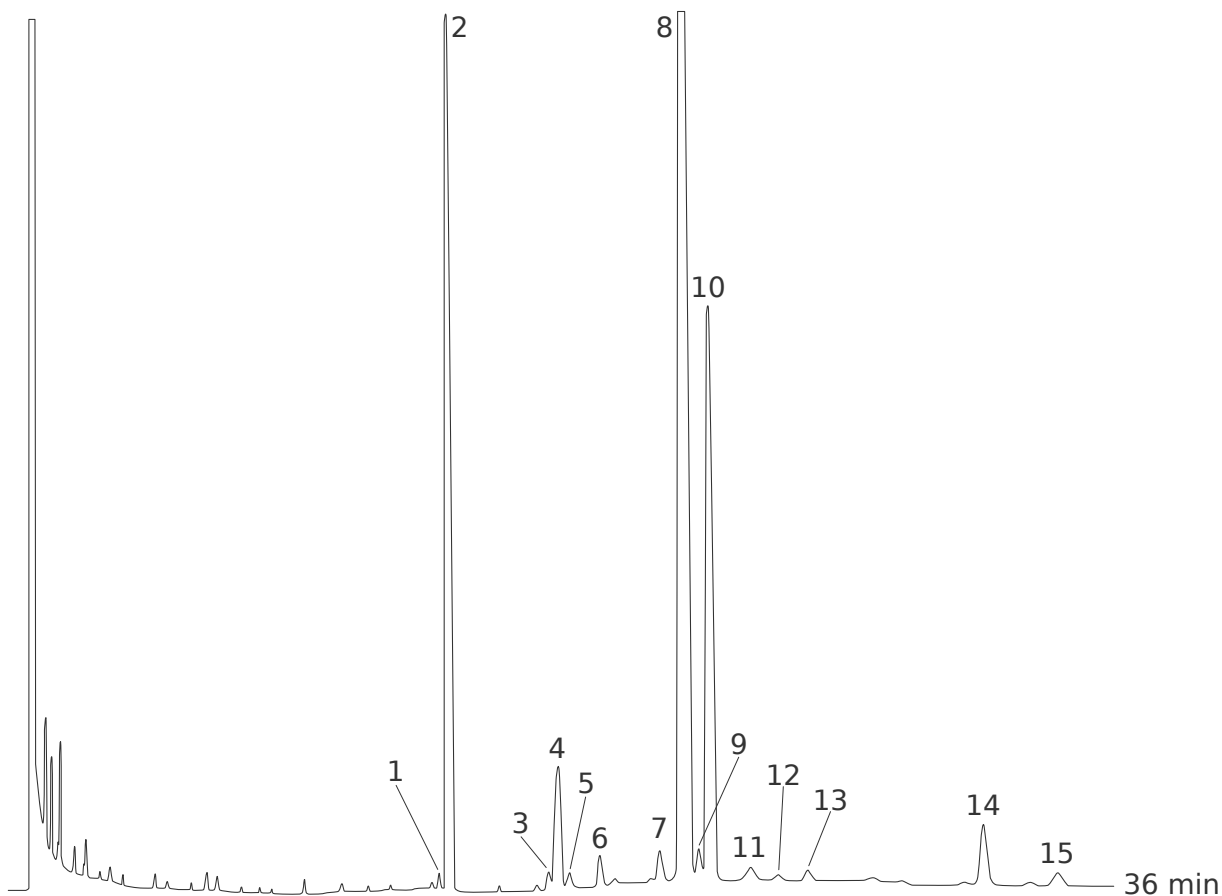
Peaks:

1. Alpha-cholestanol (I.S.)
2. 22,23-dihydro-brassicasterol
3. Campesterol
4. *Unknown*
5. Stigmasterol
6. Δ 7-campesterol
7. Sitosterol
8. Δ 5-avenasterol
9. Δ 7-stigmasterol
10. Δ 7-avenasterol



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Standard mixture extracted from Olive Oil with SILYL-991 official procedure.

Sterols - Olive Oil

Column: **MEGA-SE54 - 0.25mm, 0.25 μ m, 25m**

Catalog Code: S-SE54-025-025-25

Conditions:

Injection: Split 275°C, 1.0 μ L, 1:100 Split Ratio.

Detector: FID 280°C.

Oven Temp.: 260°C Isothermal.

Carrier Gas: Hydrogen, 90 kPa.

Peaks:

- | | |
|-----------------------------------|------------------------------------|
| 1. Cholesterol | 9. Sitostanol |
| 2. Alpha-cholesterol | 10. Δ -5-avenasterol |
| 3. 24-methylcolesterol | 11. Δ -5,24-stigmastadienol |
| 4. Campesterol | 12. Δ -7-stigmastenol |
| 5. Campestanol | 13. Δ -7-avenasterol |
| 6. Stigmasterol | 14. Eritrodiol |
| 7. Δ -5,25-stigmastadienol | 15. Uvaol |
| 8. Beta-sitosterol | |

