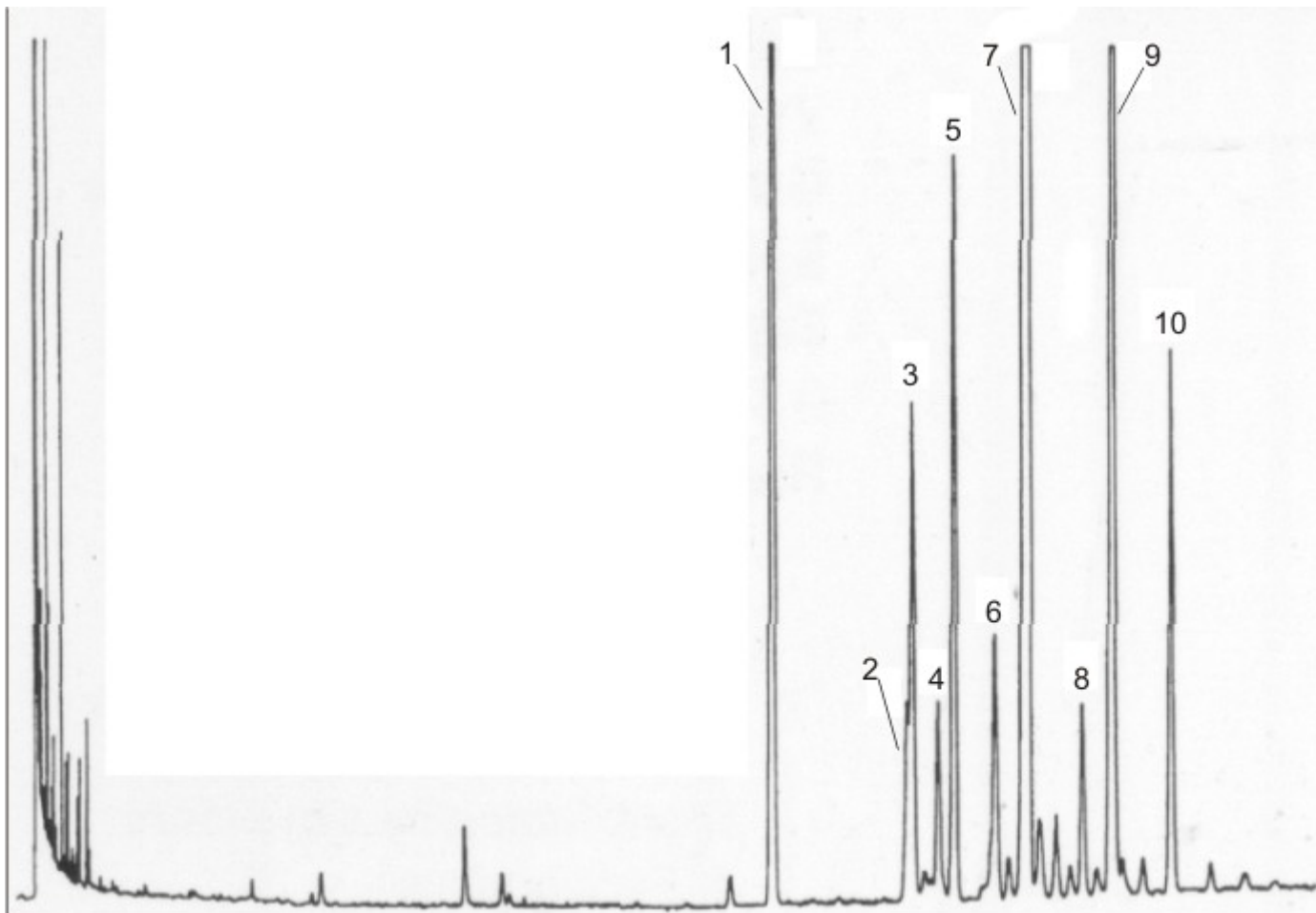


STEROLS (TMS) – SUNFLOWER OIL

Courtesy Dott. Mariani – Stazione Sperimentale Olii e Grassi, Milano, Via Giuseppe Colombo 79



Column

Phase	MEGA-LAP
I.D.	0.32 mm
Film Thickness	0.1 µm
Length	25 m

Chromatographic Conditions

Injector	Split	300°C
Split Ratio	1:80	
Oven	Isot.	220°C
Detector	FID	300°C
Carrier Gas	Hydrogen	1.2 mL/min

Peak Identification

1	α-colestanol (I.S.)
2	22,23-dihydrobrassicasterol
3	Campesterol
4	<i>Unknown</i>
5	Stigmasterol
6	Δ7-campesterol
7	Sitosterol
8	Δ5-avenasterol
9	Δ7-stigmasterol
10	Δ7-avenasterol

Note

MEGA-LAP (LIPID ANALYSIS PHASE) is a special stationary phase optimized for the triglycerides separation, stable until 370°C