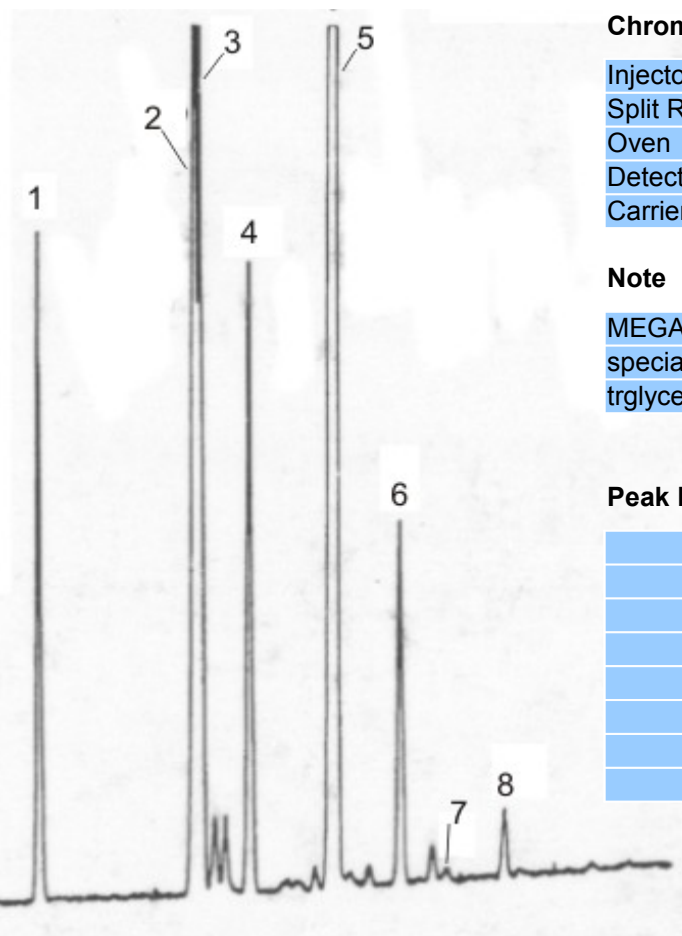


STEROLS (TMS) – CORN OIL

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

Note

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

Peak Identification

1	α-colestanol (I.S.)
2	22,23-dihydrobrassicasterol
3	Campesterol
4	Stigmasterol
5	Sitosterol
6	Δ5-avenasterol
7	Δ7-stigmasterol
8	Δ7-avenasterol