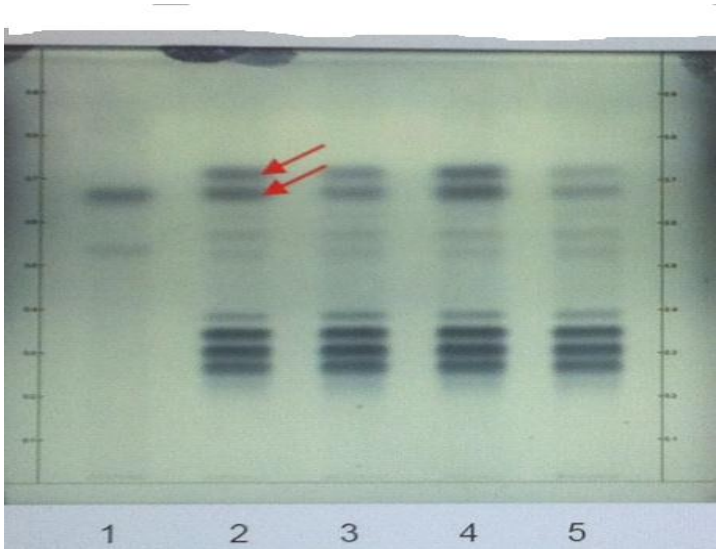
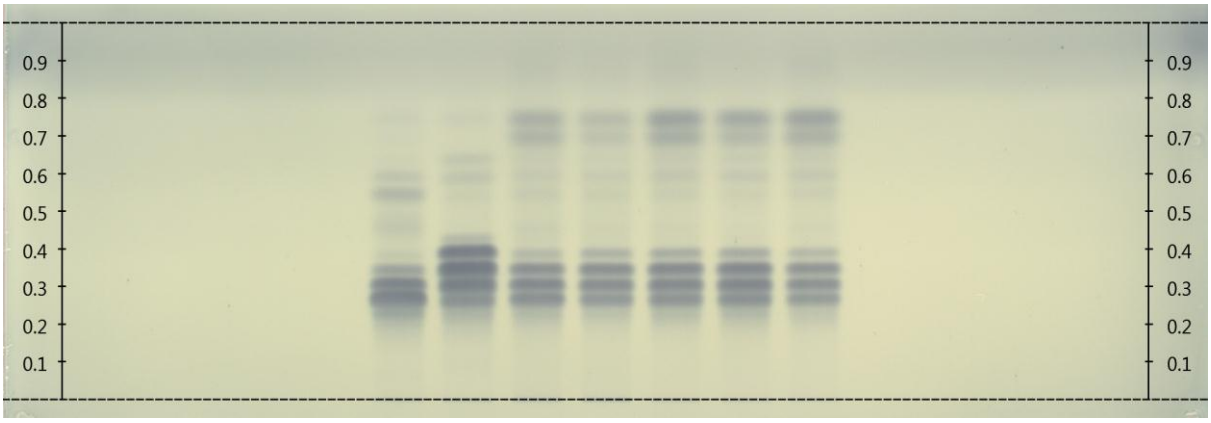
Coix lacryma-jobi Seed — Identification

Thin-Layer Chromatography





Typical HPTLC Chromatograms

These chromatograms are supplied for information only

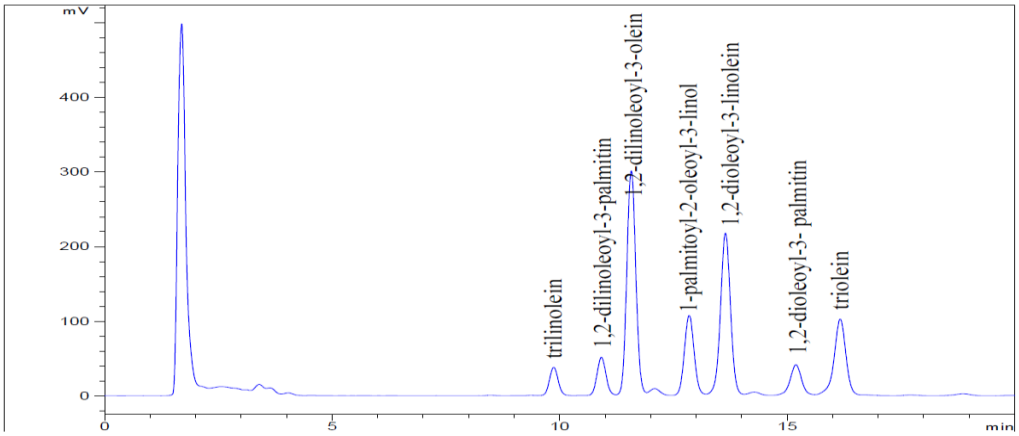
Track assignment: **1**) Oleic acid; **2~5**) *Coix lacryma-jobi* Seed

6) Olive oil; **7**) Corn oil; **8~12**) *Coix lacryma-jobi* Seed

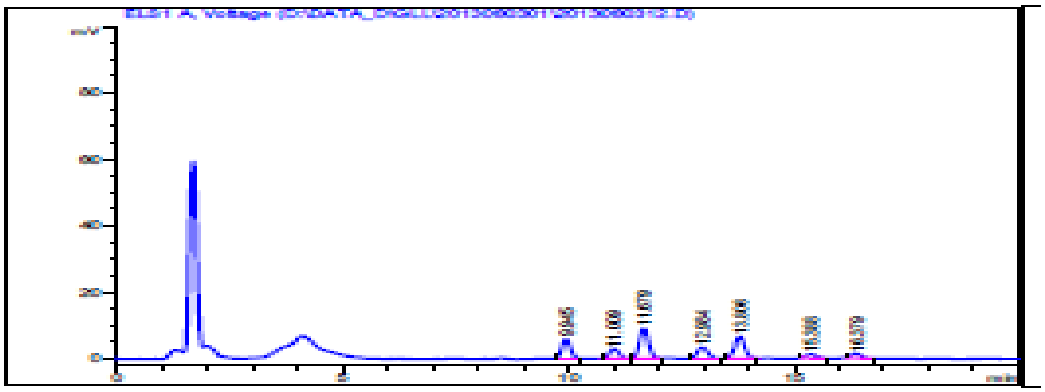
Sample solutions:	according to the monograph
Standard solutions:	in methanol
Plate:	HPTLC, Si 60 RP-18 F254
Saturation Time:	saturated chamber
Application volume:	2 µL, as 8-mm bands
Relative Humidity:	about 33%
Developing solvent system:	methylene chloride, acetone and glacial acetic acid (20:50:40)
Developing distance:	7 cm
Derivatization reagent:	25 mg/mL of phosphomolybdic acid in 96% ethanol

HPLC (Triglycerides)

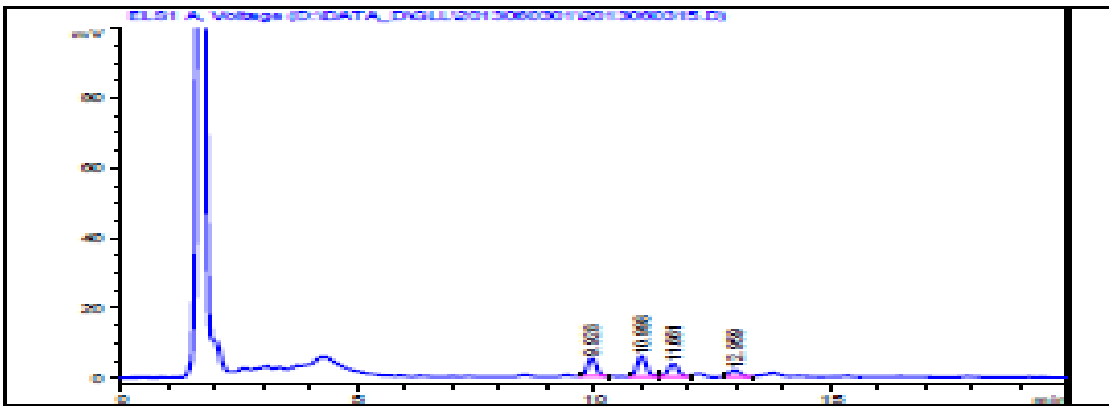
Coix lacryma-jobi Seed



Sorghum bicolor (L.) Moench



Hordeum vulgare L.



Representative chromatogram of *Content of triglycerides* in *Coix lacryma-jobi* Seed

These chromatograms are supplied for information only

Solutions preparation:	according to the monograph of *Sample solution*
Detector:	ELSD
Column:	3.0-mm × 10-cm; 2.7-µm packing L7 (AMT HALO™ C8)
Column temperature:	20° ± 1°
Flow rate:	0.3 mL/min
Injection volume:	5 µL
Mobile phase:	methanol