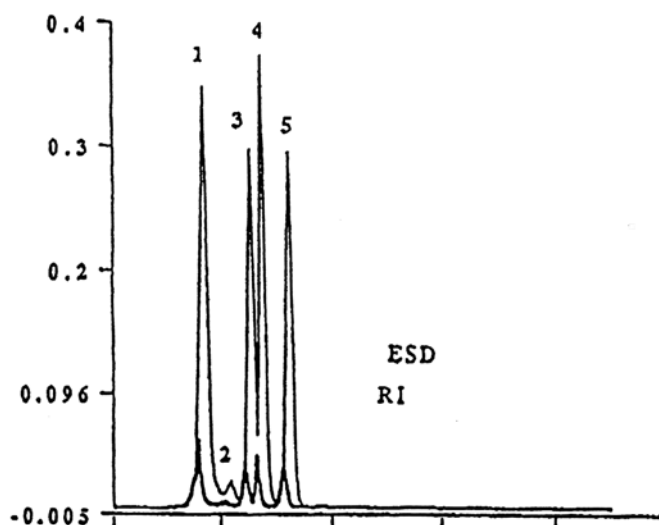


SEDEX Low Temperature Evaporative Light Scattering Detector

SAMPLE: SUGARS (IN DOUGLAS FIR NEEDLES)

HPLC

Simultaneous detection { SEDEX 45
RI



Sugars and related Compounds*	Retention time E.S.D. (minutes)	Concentration (μmoles)
1 --- Unknown	8.6	---
2 --- Unknown	11.1	---
3 C6 Glucose	12.9	0.33
4 C6 (CH3) Pinitol*	14.0	0.27
5 C6 + C6 Fructose + Inositol*	16.4	(0.32 + 0.03)**

** (calculated from separation on CH-Pb)

CONDITIONS

Cartridge	<i>Polyspher CH-Pb</i>
Column	<i>200 x 3 mm (Merck Ref. 51279). Aminex HPX-87C 300 x 7.8 mm</i>
Injected Volume	<i>20 μl</i>
Eluent	<i>Water</i>
Flow Rate	<i>0.5 ml/min</i>
Temperature	<i>Column 80° C</i>
)RI Detector	<i>Knauer (gamme 4)</i>
ELS Detector	<i>SEDEX 45, Gain 7, Temperature 45° C Pressure 3.5 bars</i>

Analyzed by : INRA-CNRF Champenoux 54820 Seichamps FRANCE

S.E.D.E.R.E.

PARC VOLTA - BP 27

9, rue Parmentier

94141 Alfortville Cedex FRANCE

Application #57