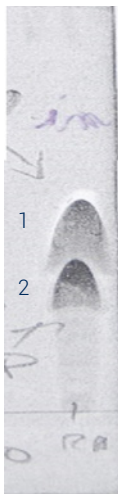


## 1. TLC method development



Mobile phase:  
90% CH<sub>2</sub>Cl<sub>2</sub> / MeOH 10%

Compound	Rf	CV
1	0.45	2.22
2	0.31	3.23

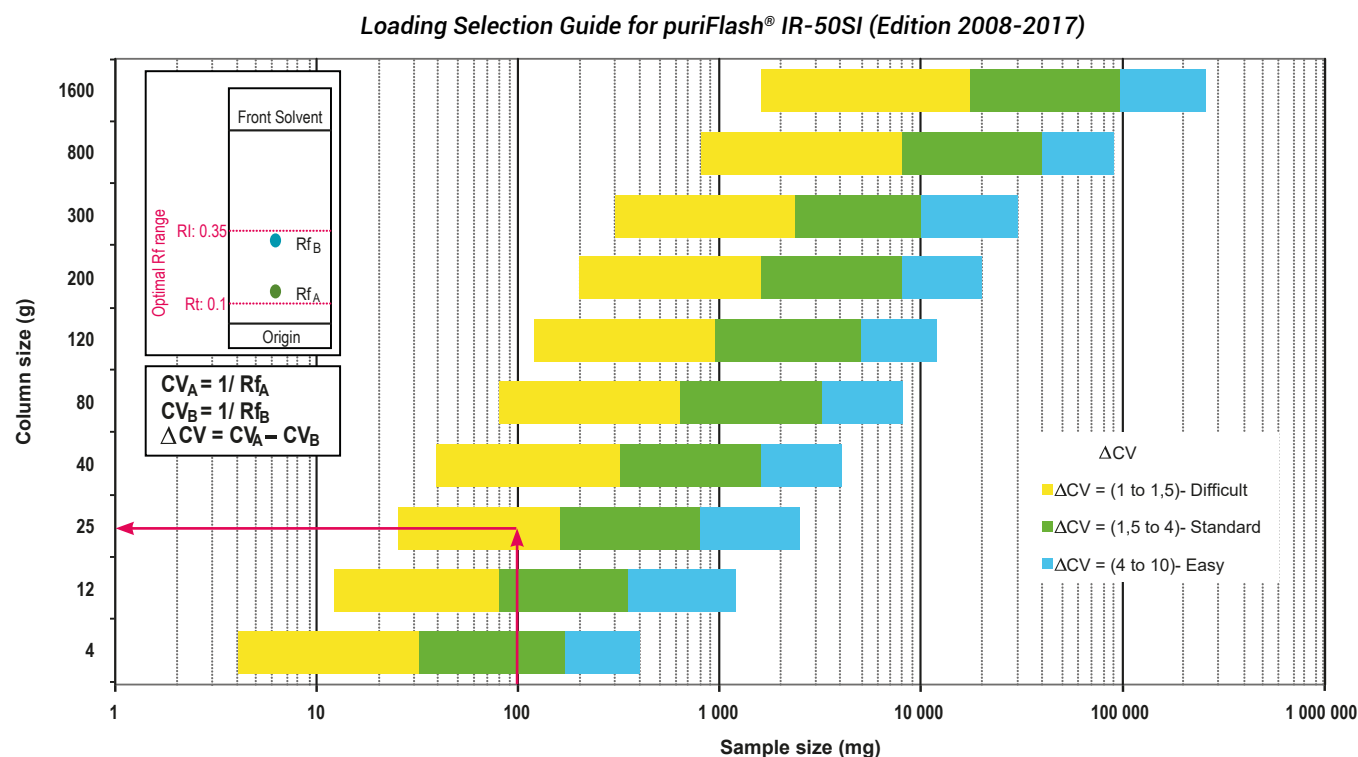
$\Delta CV = 1$

## 2. Choice of the column according to the $\Delta CV$ & crude sample mass

Crude sample: 100mg

Column: PF-30SIHP-F0025

Loading capacity: 0.4%



Customer has chosen to use PF-30SIHP-F0025 column to obtain a better separation (efficiency & purity) than with a IR-50SI-F0025 column.

### 3. Flash conditions

Device: puriFlash® 4125-iELSD (or now puriFlash® 5.125 pack-iELSD)

Solvents: A: CH<sub>2</sub>Cl<sub>2</sub>

B: MeOH

Column: PF-30SIHP-F0025

Flow rate: 20mL/min

Injection mode: Liquid injection

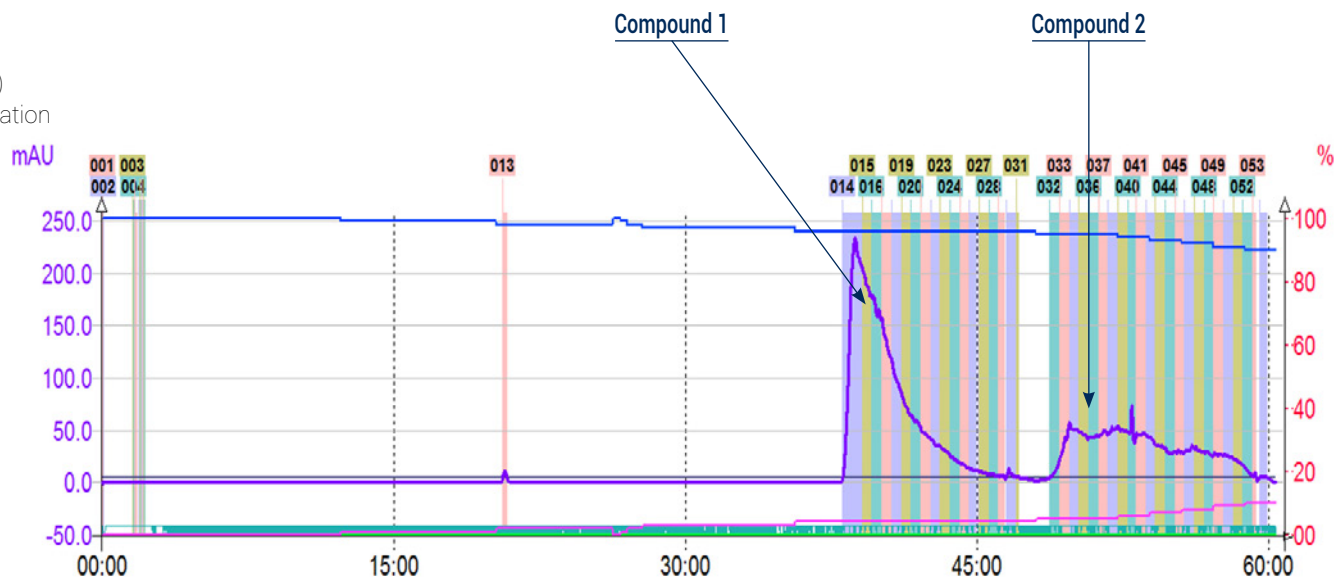
Crude sample: 100mg

Detection: iELSD (T°: 35°C, Gain: 6)

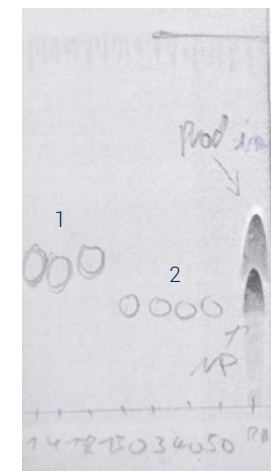
Mode: Automatic Gradient Optimization

Elution conditions:

CV	A (%)	B (%)
0	100	0
5	100	0
13	98	2
18	98	2
38	90	10



### 4. TLC confirmation



### To achieve this purification:

#### You will need

- puriFlash® 5.125  
[Discover it](#) [Add to card](#)
- Integrated ELSD  
[Discover it](#) [Add to card](#)
- puriFlash® column PF-30SIHP-F0025  
[Discover it](#) [Add to card](#)

#### We highly recommend

- 16x150mm Rack  
 AYHE40 [Add to card](#)
- Tubes 16x150mm  
 BX5400 [Add to card](#)
- Tube holding claw 16mm  
 AYHECO [Add to card](#)

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