

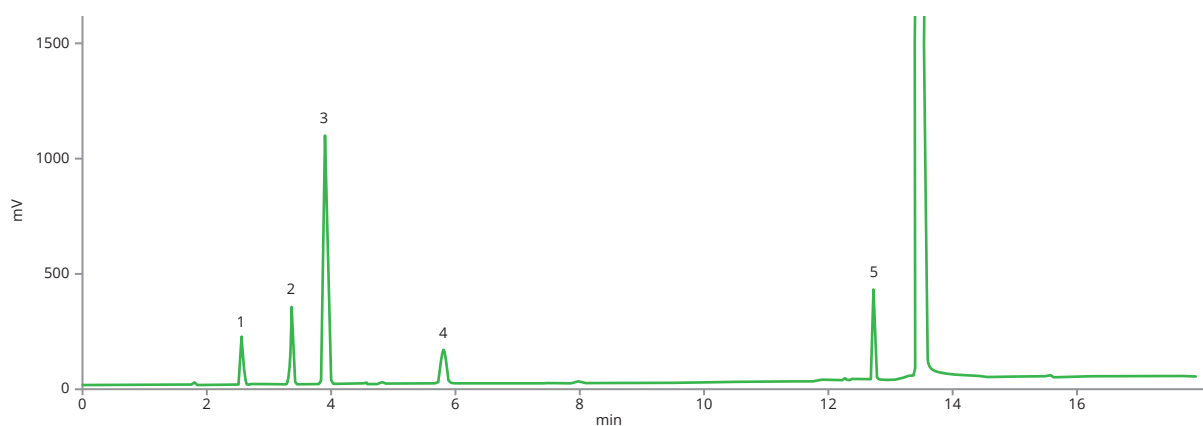


Residual solvents

Residual solvents control is a mandatory test for active pharmaceutical ingredients. Column LION™ LN-1 provides fast, robust and reproducible separation for most commonly used solvents.

Substance

Methanol, CAS number 67-57-1
Ethanol, CAS number 64-17-5
Acetone, CAS number 67-64-1
1-propanol, CAS number 71-23-8
Toluene, CAS number 108-88-3



Residual solvents on LION™ LN-1 column



Residual solvents

Column	LION™ LN-1
Dimensions	50 m × 0.25 mm × 5 µm
Part number	LNI-5755-H150
Injection temperature	160 °C
Column flowrate	Carrier Gas – Helium, constant pressure 60kPa, 40 ml/min
Oven program	40 °C, hold 0 min 2 °C/min, 60 °C, hold 0 min 50 °C/min, 200 °C, hold 5 min
Solvent	Dimethylsulfoxide
Head-space oven temperature	105 °C
Heating time	30 min
Detection	FID at 250 °C
Analytes	1. Methanol 2. Ethanol 3. Acetone 4. 1-propanol 5. Toluene