

HPLC Application

ID No.: 14618

Extraction of Diazepam on Strata[™] X

Column: Synergi[™] 4 μ m Polar-RP 80 \AA , LC Column 150 x 4.6 mm, Ea

Dimensions: 150 x 4.6 mm ID

Order No: 00F-4336-E0

Elution Type: Gradient

Eluent A: 20 mM KH₂PO₄ (pH=2.5)

Eluent B: MeOH

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	75	25
	2	3	75	25
	3	8	30	70
	4	11	30	70
	5	14	75	25

Flow Rate: 1.5 mL/min

Col. Temp.: ambient

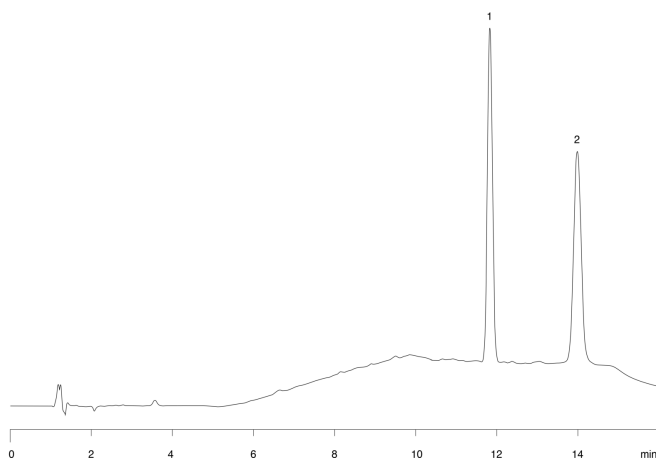
Detection: UV-Vis Abs.-Variable Wave.(UV) @ 254 nm (ambient)

Analyst Note: SecurityGuard[™] Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, POLAR-RP 4 x 3.0mm, 10/Pk Part No.: AJ0-6076

- Holder Part No.: KJ0-4282

14618



ANALYTES:

- 1 Desmethyldiazepam
- 2 Diazepam

