

# HPLC Application

ID No.: 26464

## Hydrocortisone Extraction from Topical Cream Unfiltered with Guard Zoomed-in

**Column:** Luna® 5 µm C18(2) 100 Å, LC Column 150 x 4.6 mm, Ea

**Dimensions:** 150 x 4.6 mm ID

**Order No:** 00F-4252-E0

**Elution Type:** Gradient

**Eluent A:** Water

**Eluent B:** Methanol

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	50	50
	2	20	50	50

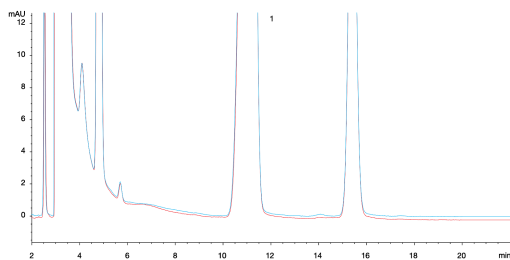
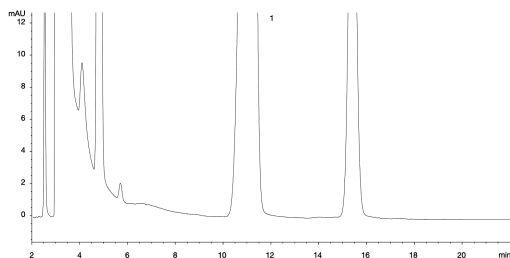
**Flow Rate:** 1 mL/min

**Col. Temp.:** 35 °C

**Detection:** LC/UV (DAD, PDA) @ 220.000000000 nm (nanometers) (ambient)

**Analyst Note:** Hydrocortisone cream dilute 1g of Hydrocortisone cream in 10mL ethyl acetate (n=6)

2. Dilute 2mL of ethyl acetate-cream sample with 8mL methanol:water (1:1)
3. Load 400µL methanol:water (1:1) cream sample
4. Push sample through filter vial
5. Analyze final eluate via HPLC-UV



### ANALYTES:



Products used in this application:

