

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

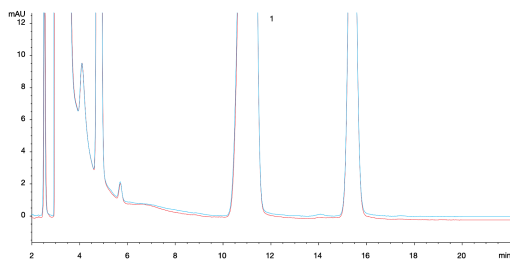
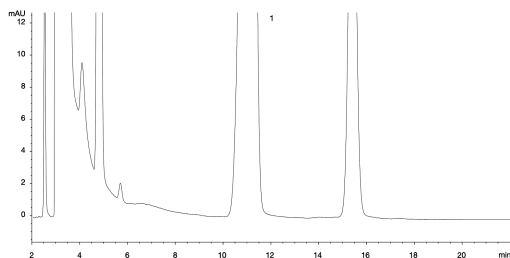
Flow Rate: 1 mL/min

Col. Temp.: 35 °C

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

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

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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:

