

# HPLC Application

ID No.: 22906

## Curcuminoids in Turmeric Extract by HPLC

**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:** 0.1% H3PO4 in water

**Eluent B:** Acetonitrile

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	65	35
	2	20	50	50

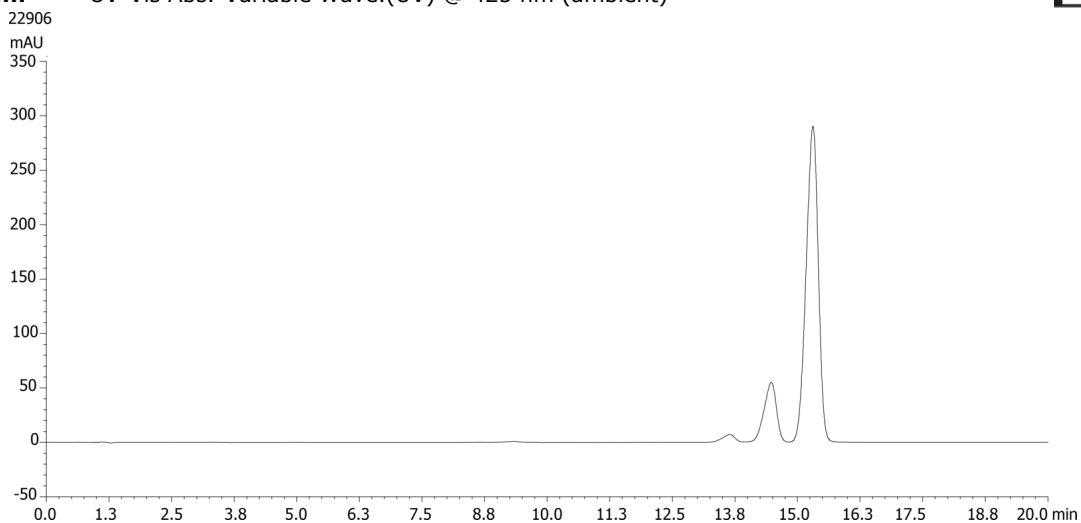
**Flow Rate:** 1.5 mL/min

**Col. Temp.:** 25 °C

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 425 nm (ambient)



Products used in this application:



### ANALYTES:

**1** Bis-desmethoxycurcumin

Retention Time: 13.7 min

**2** Desmethoxycurcumin

Retention Time: 14.5 min

**3** Curcumin

Retention Time: 15.3 min

