

# HPLC Application

ID No.: 27536

## USP Labetalol Standard Solution on Luna Omega 3u C18 150x4.6mm (2) using Agilent 1290 UHPLC system

**Column:** Luna® Omega 3 µm C18 100 Å, LC Column 150 x 4.6 mm, Ea

**Dimensions:** 150 x 4.6 mm ID

**Order No:** 00F-4784-E0

**Elution Type:** Gradient

**Eluent A:** Phosphoric Acid and Water (0.1:99.9, v/v)

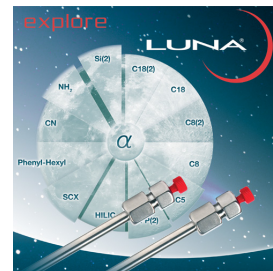
**Eluent B:** Acetonitrile and Mobile phase A (50:50, v/v)

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	100	0
	2	4.29	100	0
	3	34.29	0	100
	4	38.57	0	100
	5	38.58	100	0
	6	47.14	100	0

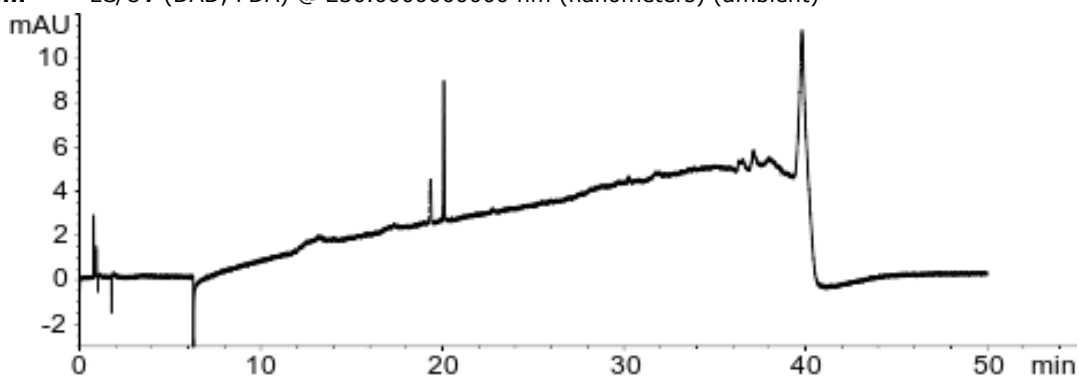
**Flow Rate:** 1.75 mL/min

**Col. Temp.:** 40 °C

**Detection:** LC/UV (DAD, PDA) @ 230.000000000 nm (nanometers) (ambient)



Products used in this application:



### ANALYTES:

- 1 Labetalol  
Retention Time: 19.353 min
- 2 Labetalol Related Compound F  
Retention Time: 20.075 min

