

# HPLC Application

ID No.: 26288

## Dexamethasone USP Organic Impurities Standard Solution on Kinetex 1.7 $\mu$ m C18 100 x 2.1 mm on Agilent 1290

**Column:** Kinetex<sup>®</sup> 1.7  $\mu$ m C18 100 Å, LC Column 100 x 2.1 mm, Ea

**Dimensions:** 100 x 2.1 mm ID

**Order No:** 00D-4475-AN

**Elution Type:** Gradient

**Eluent A:** 3.4 g/L of monobasic potassium phosphate in water. Adjust with phosphoric acid to a pH of 6.5

**Eluent B:** Acetonitrile

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	76	24
	2	10	76	24
	3	15	45	55
	4	16	10	90
	5	16.1	76	24
	6	20	76	24

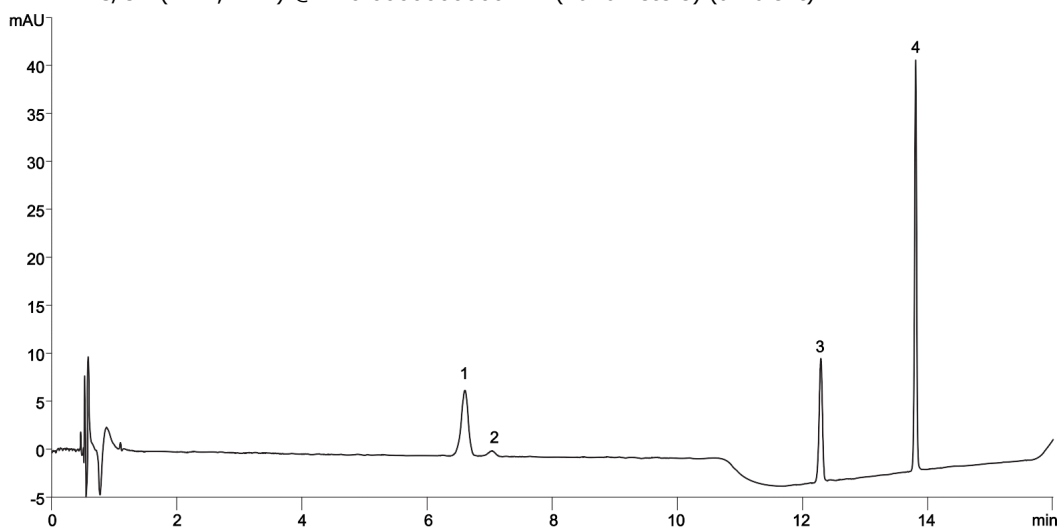
**Flow Rate:** 0.4 mL/min

**Col. Temp.:** 35 °C

**Detection:** LC/UV (DAD, PDA) @ 240.000000000 nm (nanometers) (ambient)



Products used in this application:



### ANALYTES:

- 1** Betamethasone  
Retention Time: 6.607 min
- 2** Dexamethasone  
Retention Time: 7.032 min
- 3** Desoximetasone  
Retention Time: 12.295 min
- 4** Dexamethasone acetate  
Retention Time: 13.808 min

