

## USP Chloroquine Phosphate Assay on Kinetex 5 µm C18 150 x 4.6 mm - System Suitability

**Column:** Kinetex® 5µm C18 100 Å, LC Column 150 x 4.6 mm, Ea

**Dimensions:** 150 x 4.6 mm ID

**Order No:** 00F-4601-E0

**Elution Type:** Gradient

**Eluent A:** A = 0.4% triethylamine in methanol and Buffer (70:30) (Buffer: 1.4 g/L of anhydrous di

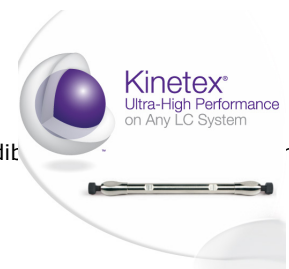
Gradient Profile:	Step No.	Time (min)	Pct A
	1	0	100
	2	20	100

**Flow Rate:** 1 mL/min

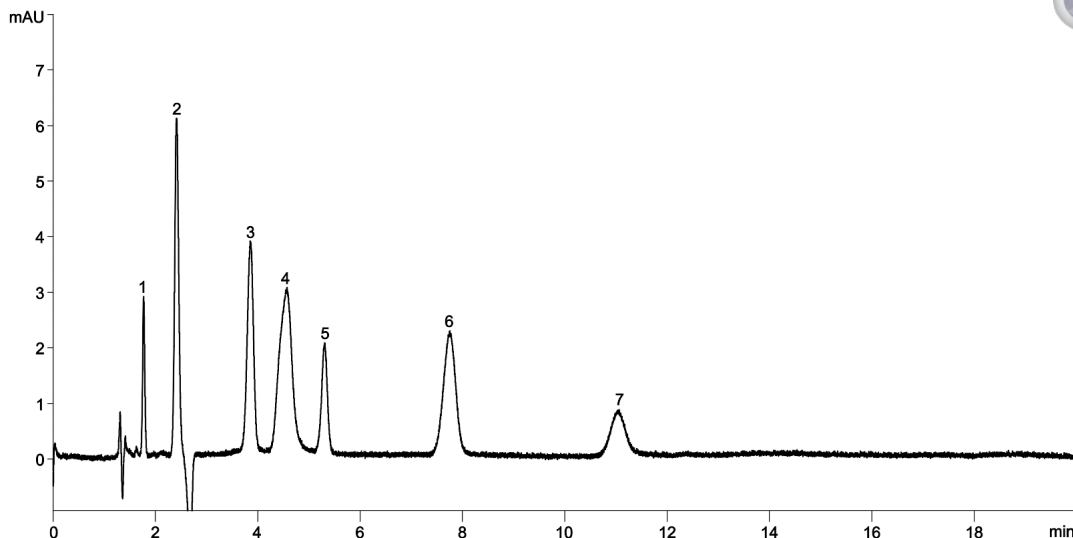
**Col. Temp.:** 26 °C

**Detection:** LC/UV (DAD, PDA) @ 260.000000000 nm (nanometers) (26 °C)

**Analyst Note:** Sample was at 2 ug/mL



Products used in this application:



### ANALYTES:

- 1** Phenol  
Retention Time: 1.771 min
- 2** CQ Related Compound G (4-((7-chloroquinolin-4-yl)amino)-N,N-diethylpentan-1-amine oxide sulfate)  
Retention Time: 2.415 min
- 3** Hydroxychloroquine sulfate  
Retention Time: 3.858 min
- 4** CQ Related Compound D (7-Chloro-4-{[4-(ethylamino)-1-methylbutyl] amino} quinoline)  
Retention Time: 4.569 min
- 5** CQ Related Compound A (4,7-dichloroquinoline)  
Retention Time: 5.307 min
- 6** Chloroquine (CQ) phosphate  
Retention Time: 7.752 min
- 7** CQ Related Compound E (N4-(5-chloroquinolin-4-yl)-N1,N1-diethylpentane-1,4-diamine oxalate)  
Retention Time: 11.062 min

