HPLC Application

ID No.: **25923**

USP Chloroquine Phosphate Assay on Luna 5 µm C18(2) 150 x 4.6 mm - System suitability

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: A = 0.4% triethylamine in methanol and Buffer (70:30) (Buffer: 1.4 g/L of anhydrous dib … water. A

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

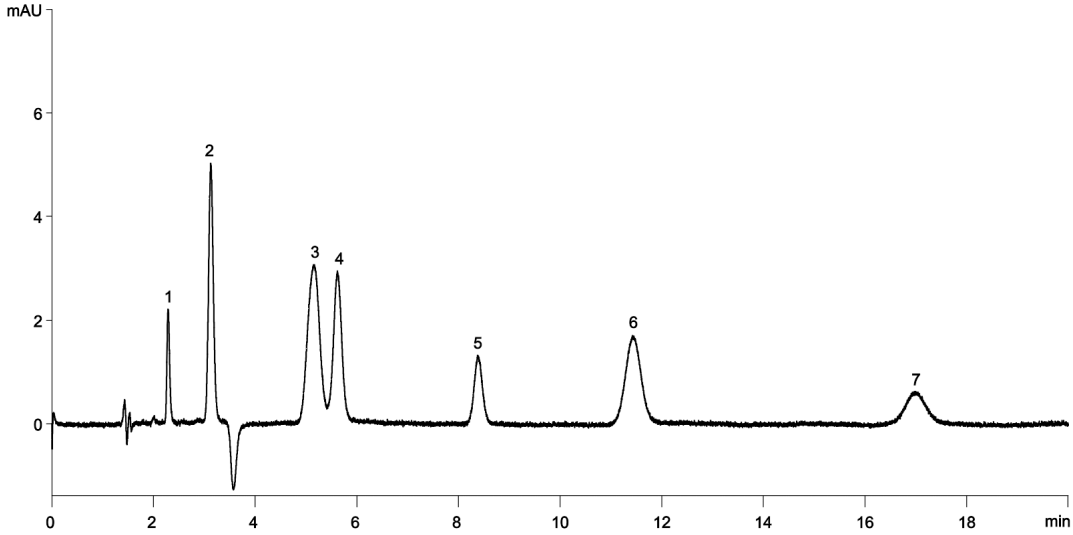
Flow Rate: 1 mL/min

Col. Temp.: 26 °C

Detection: LC/UV (DAD, PDA) @ 260.0000000000 nm (nanometers) (26 °C)

Analyst Note: Sample was at 2 µg/mL

Products used in this application:



ANALYTES:

1 Phenol
Retention Time: 2.289 min

2 CQ Related Compound G (4-((7-chloroquinolin-4-yl)amino)-N,N-diethylpentan-1-amine oxide sulfate)
Retention Time: 3.128 min

3 CQ Related Compound D (7-Chloro-4-{[4-(ethylamino)-1-methylbutyl] amino} quinoline)
Retention Time: 5.165 min

4 Hydroxychloroquine sulfate
Retention Time: 5.62 min

5 CQ Related Compound A (4,7-dichloroquinoline)
Retention Time: 8.378 min

6 Chloroquine (CQ) phosphate
Retention Time: 11.424 min

7 CQ Related Compound E (N4-(5-chloroquinolin-4-yl)-N1,N1-diethylpentane-1,4-diamine oxalate)
Retention Time: 16.989 min

For more information contact your Phenomenex Representative at support@phenomenex.com

Phenomenex products are available worldwide.