

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 di

Gradient	Step No.	Time (min)	Pct A
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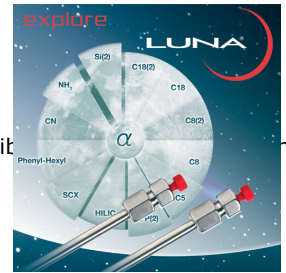
Profile:	1	0	100
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Flow Rate: 1 mL/min

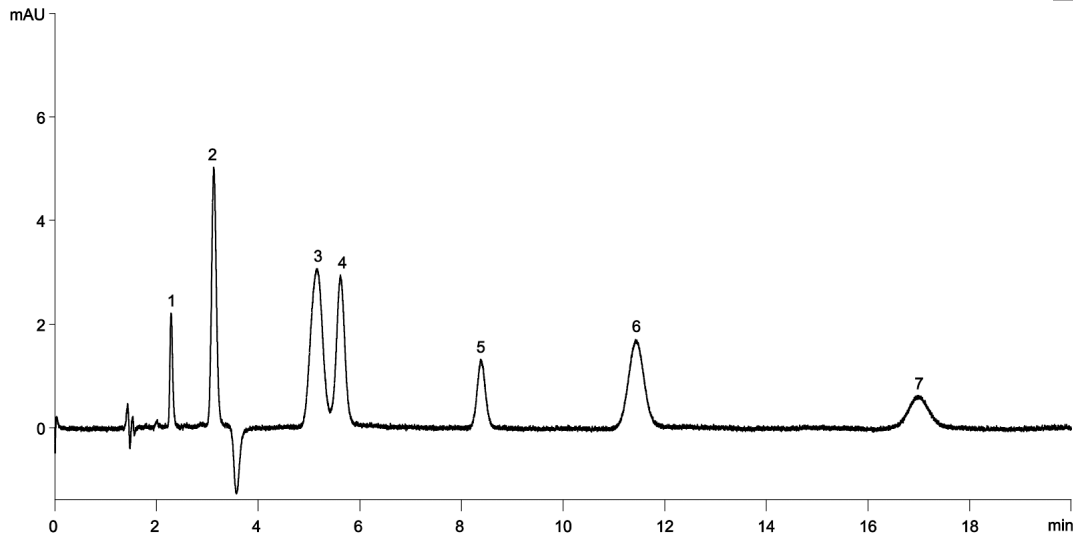
Col. Temp.: 26 °C

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:**

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|---|--|----------------------------|
| 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 |