

# Quantification of Caffeine in Coffee

Application #AN5030

## Conditions

Column: ACE Excel 2 SuperC18  
Dimensions: 50 x 2.1 mm  
Part Number: EXL-1011-0502U  
Mobile Phase: A: 0.1% formic acid in H<sub>2</sub>O  
B: 0.1% formic acid in MeCN

Time (mins)	%B
0.00	5
5.00	100
6.00	100
6.50	5

Flow Rate: 0.6 mL/min  
Injection: 1 µL  
Temperature: 40 °C  
Detection: UV, 254 nm  
Sample: a) Direct injection of coffee and b) DCM extract of coffee sample.

