

## Application note # QAN-0030

### PARAMETERS

#### UV

260 nm

#### NQAD

GAS: Air

FILTER: 2.5 sec

GAIN: 10x

EVAPORATION TEMP: 35°C

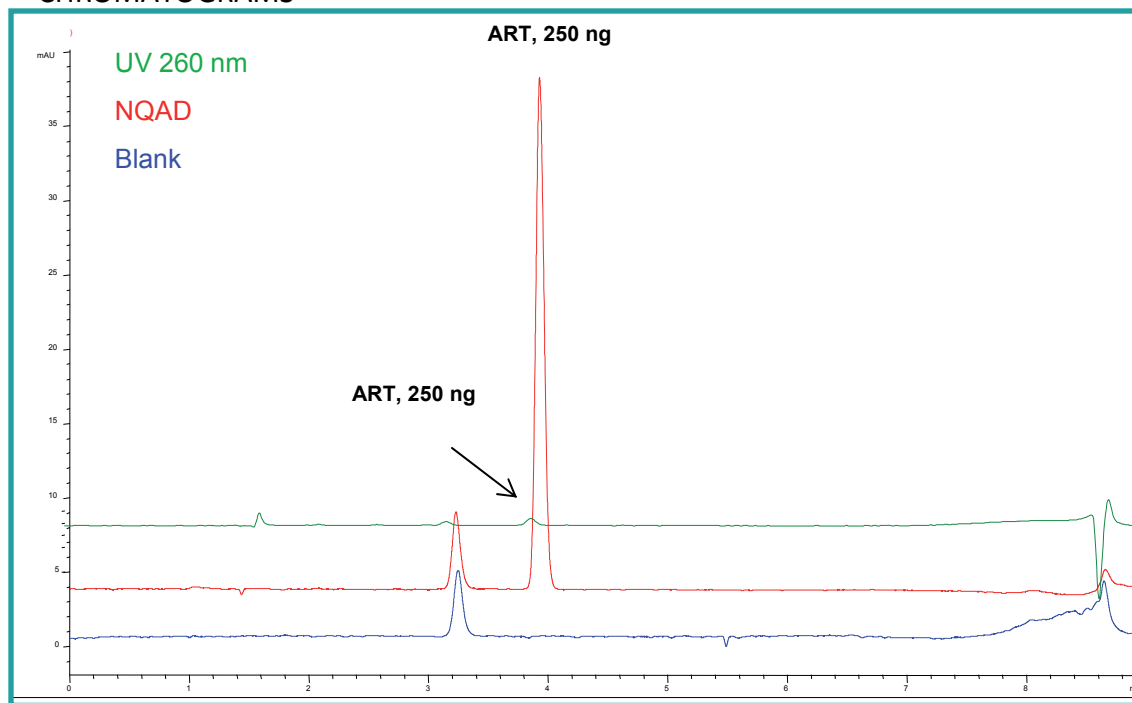
#### HPLC

MOBILE PHASE:

Time (min)	ACN (%)	Water (%)
0.0	70	30
5.0	70	30
6.0	100	0
6.1	70	30
9.0	70	30

FLOW RATE: 1.0 mL/min  
 COLUMN: Phenomenex Gemini C18, 5 u,  
 150 x 4.6 mm  
 COLUMN TEMP: Ambient  
 INJECTION VOLUME :5 uL  
 ANALYTE: Artemisinin

### CHROMATOGRAMS



One of the greatest benefits of NQAD technology is the ability to detect analytes that do not contain a chromophore without the need for cumbersome derivatization methods. The above chromatogram describes the ability to detect artemisinin, a molecule with a weak chromophore. Using NQAD technology, we are able to detect artemisinin with much greater sensitivity than UV detection without the need to derivatize the analyte.

