



# DETECT COMMON FOOD AND BEVERAGE ANALYTES WITH EXCELLENT LINEARITY

Application note # QAN-0042

## PARAMETERS

### NQAD

GAS: Air  
FILTER: 5 sec  
GAIN: 2x-1kx  
EVAPORATION TEMP: off

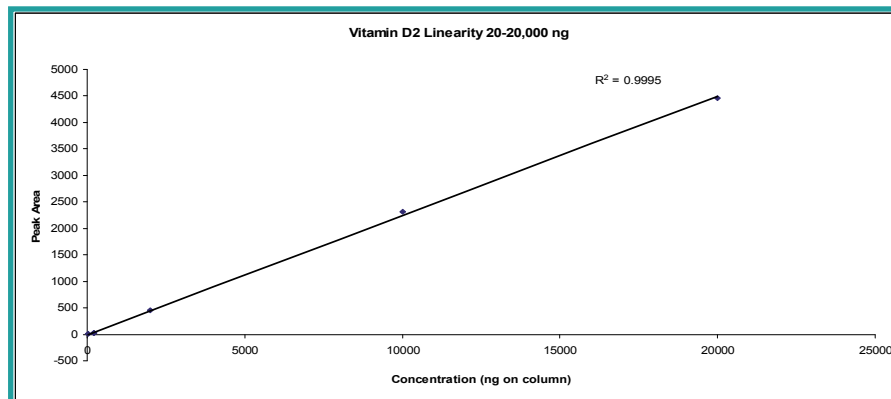
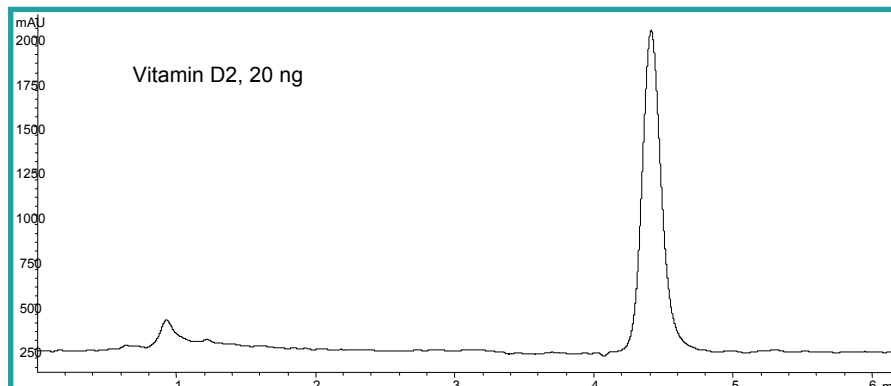
### HPLC

MOBILE PHASE: 25:75 MeOH:ACN  
FLOW RATE: 1.2 mL/min  
COLUMN: Alltech Alltima C18, 3u,  
4.6 x 33 mm  
COLUMN TEMP: Ambient  
INJECTION VOLUME :10 µL  
CONCENTRATION: 20-20,000 ng on  
column  
ANALYTE: Vitamin D2



ERC GmbH  
Otto-Hahn-Strasse 28-30  
D-85521 Riemerling  
☎ +49(0)89/660 55 696  
☎ +49(0)89/608 24 826  
partner@erc-hplc.de  
www.erc-hplc.de

## CHROMATOGRAMS/DATA



NQAD technology is ideal for several industries including the food and beverage industry. The above chromatogram illustrates excellent sensitivity for vitamin D2, a common food and beverage analyte. In addition, the linearity spans over 3 orders of magnitude, a significant improvement compared to other aerosol based detectors.