

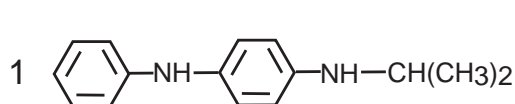
Unison UK-C18

100 x 4.6 mm

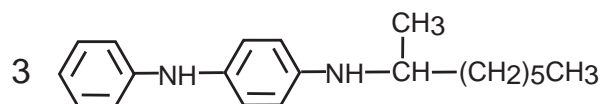
HPLC COLUMN APPLICATION

## PPDs ( rubber antioxidant )

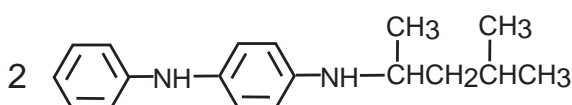
アミン系酸化防止剤 ( ゴム用老化防止剤 )



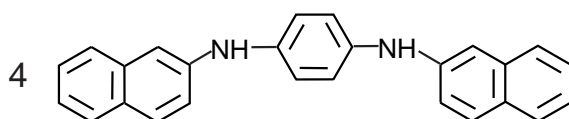
4-isopropylaminodiphenylamine  
(1PPD, 0.1mg/mL)



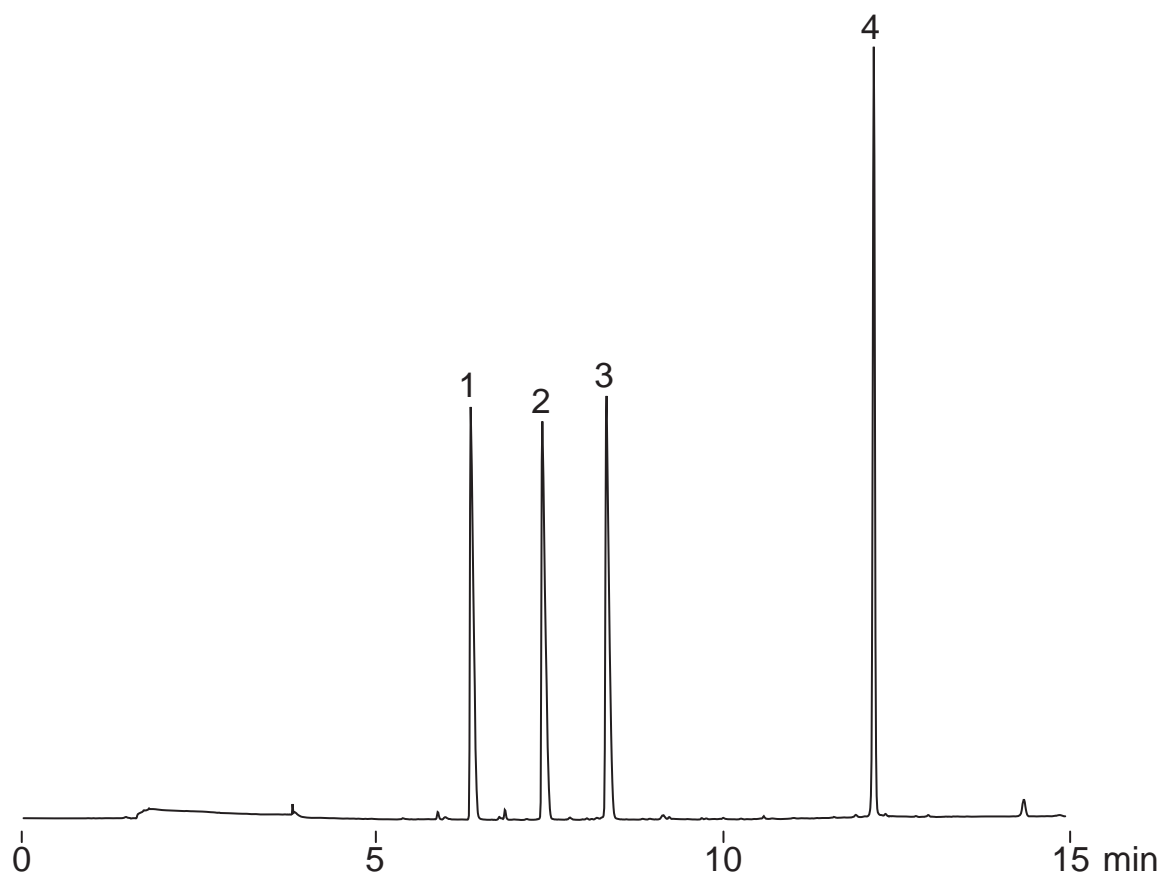
4-(2-octylamino)diphenylamine  
(8PPD, 0.1mg/mL)



N-(1,3-dimethylbutyl)-N'-phenyl  
-1,4-phenylenediamine  
(6PPD, 0.1mg/mL)



N,N'-di-2-naphthyl-1,4-phenylenediamine  
(DNPd, 0.03mg/mL)



Unison UK-C18, 100 x 4.6 mm

A: water / formic acid = 100 / 0.1

B: acetonitrile / formic acid = 100 / 0.1

0%B (0-1min), 0-100%B (1-12min), 100%B (12-15min)

1.0mL/min (12MPa), 260nm, 37°C

10µL (0.03-0.1mg/mL, DMF / 100mMHCOONH4 = 90 / 10)