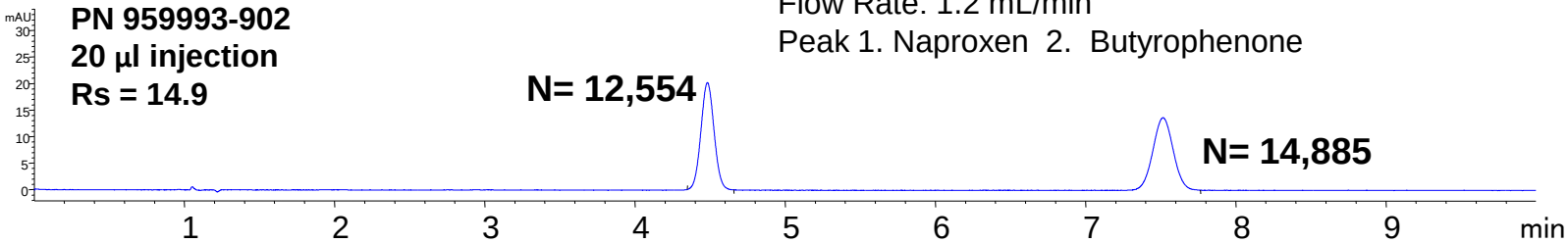
USP Method for Naproxen Tablets – 4.5X Faster Analysis on Poroshell 120

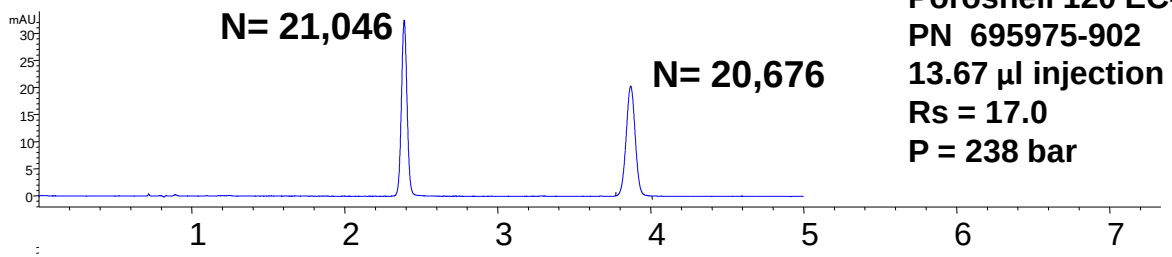
Method Requirement N > 4000, Rs better than 11.5

4.6 x 150 mm (L1)
Eclipse Plus C18, 5um
PN 959993-902
20 µl injection
Rs = 14.9

Common Conditions:
Mobile Phase: 50:49:1 MeCN:H2O Acetic Acid
Flow Rate: 1.2 mL/min
Peak 1. Naproxen 2. Butyrophenone

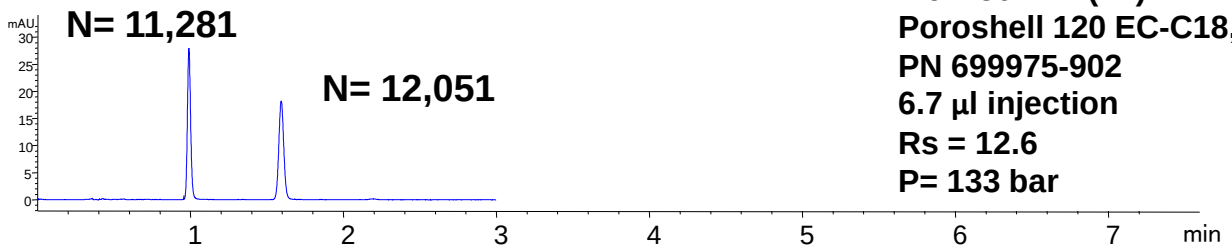


4.6 x 100 mm (L1)
Poroshell 120 EC-C18, 2.7 um
PN 695975-902
13.67 µl injection
Rs = 17.0
P = 238 bar



2X Faster

4.6 x 50 mm (L1)
Poroshell 120 EC-C18, 2.7 um
PN 699975-902
6.7 µl injection
Rs = 12.6
P= 133 bar



4.5X Faster