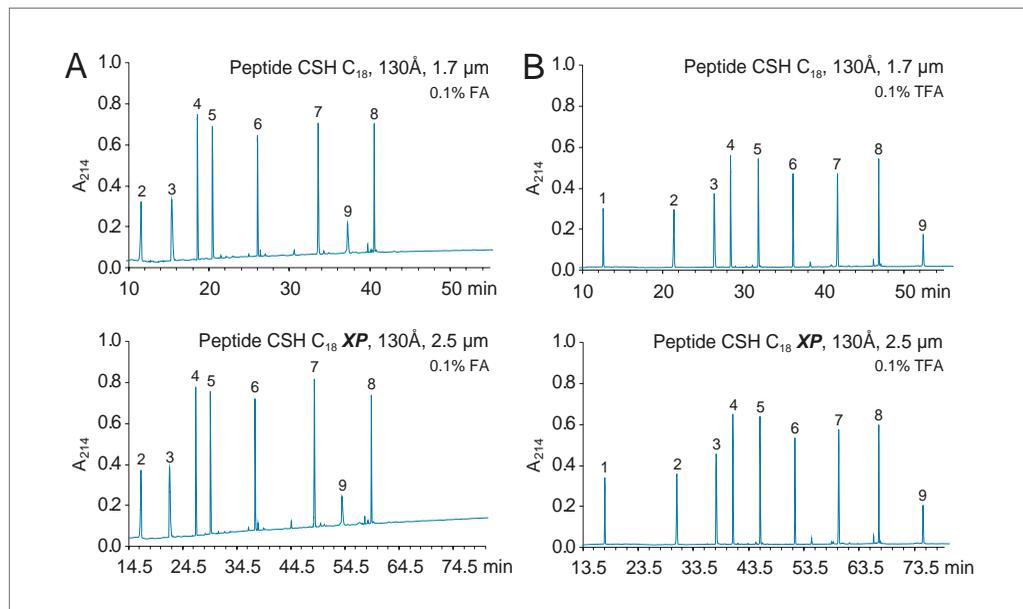


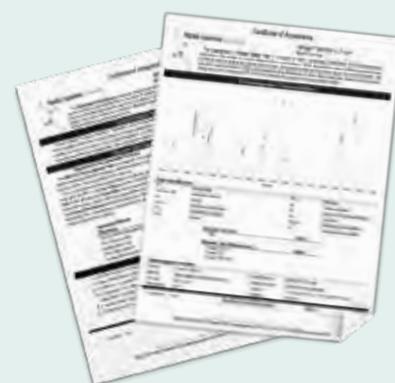
Comparative Separation of MassPREP Peptide Standard Mixture on ACQUITY UPLC Peptide CSH C<sub>18</sub>, 130Å, 1.7 µm vs. XSelect Peptide CSH C<sub>18</sub>, 130Å, 2.5 µm **XP** in Eluents Containing Formic Acid or 0.1% Trifluoroacetic Acid



Chromatograms of Waters MassPREP Peptide Standard Mixture (p/n: 186002337) obtained with (A) 0.1% formic acid and (B) 0.1% trifluoroacetic acid mobile phases. The method for the Peptide CSH C<sub>18</sub> **XP**, 130Å, 2.5 µm Column was scaled from the method for the CSH C<sub>18</sub>, 130Å, 1.7 µm Column by decreasing flow rate and increasing gradient time by a factor of 1.5. Generated back-pressure on the XSelect Peptide CSH C<sub>18</sub> **XP**, 130Å, 2.5 µm, 2.1 × 150 mm Column was 3000 psi (205 bar); back-pressure on the ACQUITY UPLC Peptide CSH C<sub>18</sub>, 130Å, 1.7 µm, 2.1 × 150 mm Column was 8000 psi (550 bar).

## Increased Assurance with Waters Peptide Columns

Waters rigorously tests each batch of our synthesized Peptide BEH C<sub>18</sub>, 130Å; Peptide BEH C<sub>18</sub>, 300Å; Peptide CSH C<sub>18</sub>, 130Å; and Peptide HSS T3 100Å particles used in our manufactured columns. To pass, each batch of material must satisfactorily separate a complex protein digest using a gradient separation with well-defined pass/fail criteria. In addition, each and every manufactured column is tested and must exceed established packed column efficiency values before accepted for customer purchase. In combination, these tests (results available in Certificate of Analysis documentation) help ensure consistent batch-to-batch and column-to-column performance.



Certificate of analysis information includes a labeled chromatogram of the gradient separation of a tryptic digest of bovine cytochrome c (p/n: 186006371) using eluents that contain 0.1% formic acid. You can purchase the same protein digest test mixture to ensure the proper performance of your Peptide CSH C<sub>18</sub>, 130Å Column.