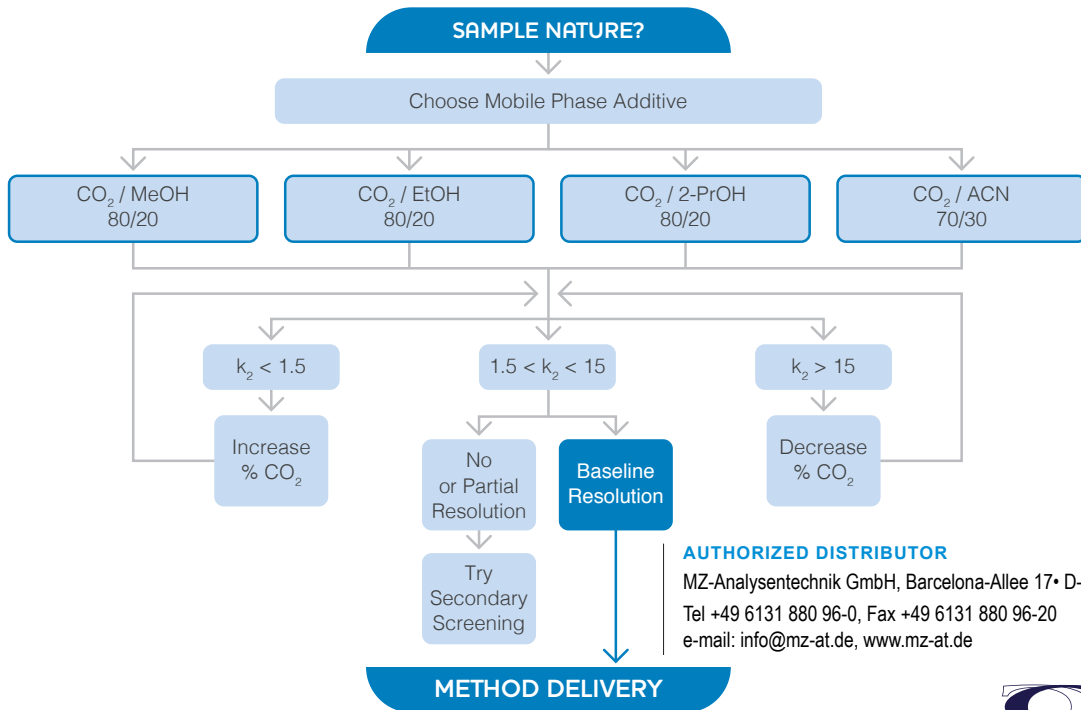


SFC PRIMARY SCREENING STRATEGY – IMMOBILIZED POLYSACCHARIDES



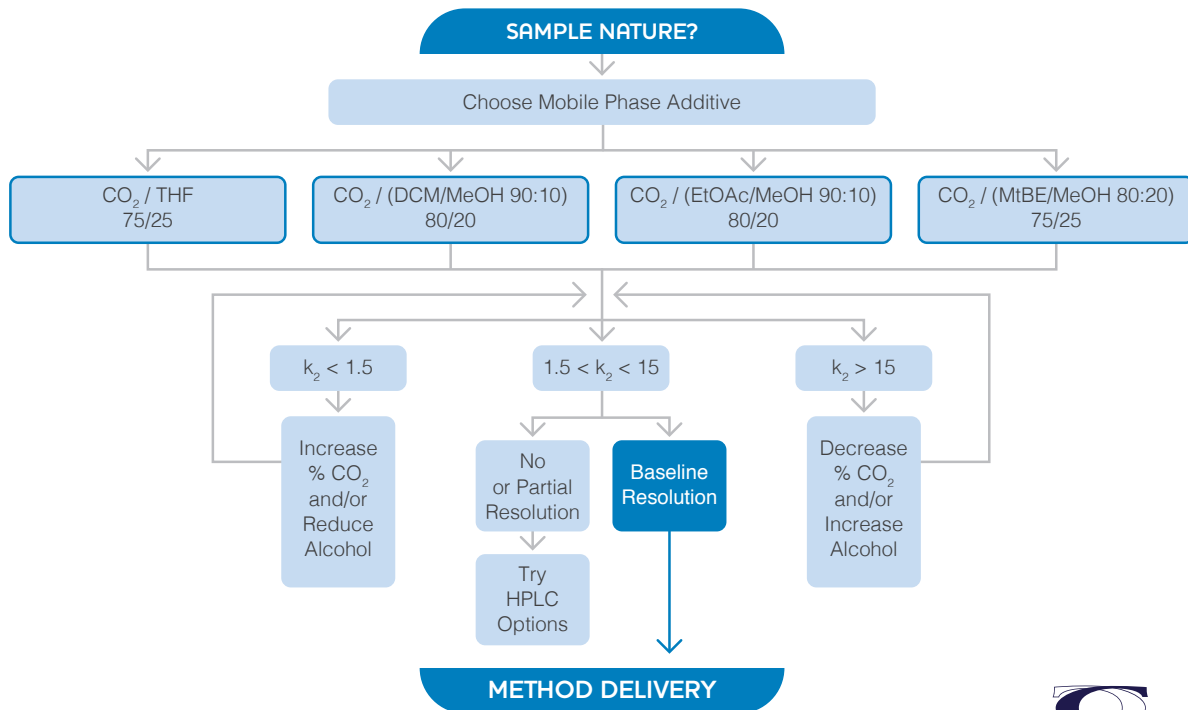
AUTHORIZED DISTRIBUTOR

MZ-Analysentechnik GmbH, Barcelona-Allee 17 • D-55129 Mainz

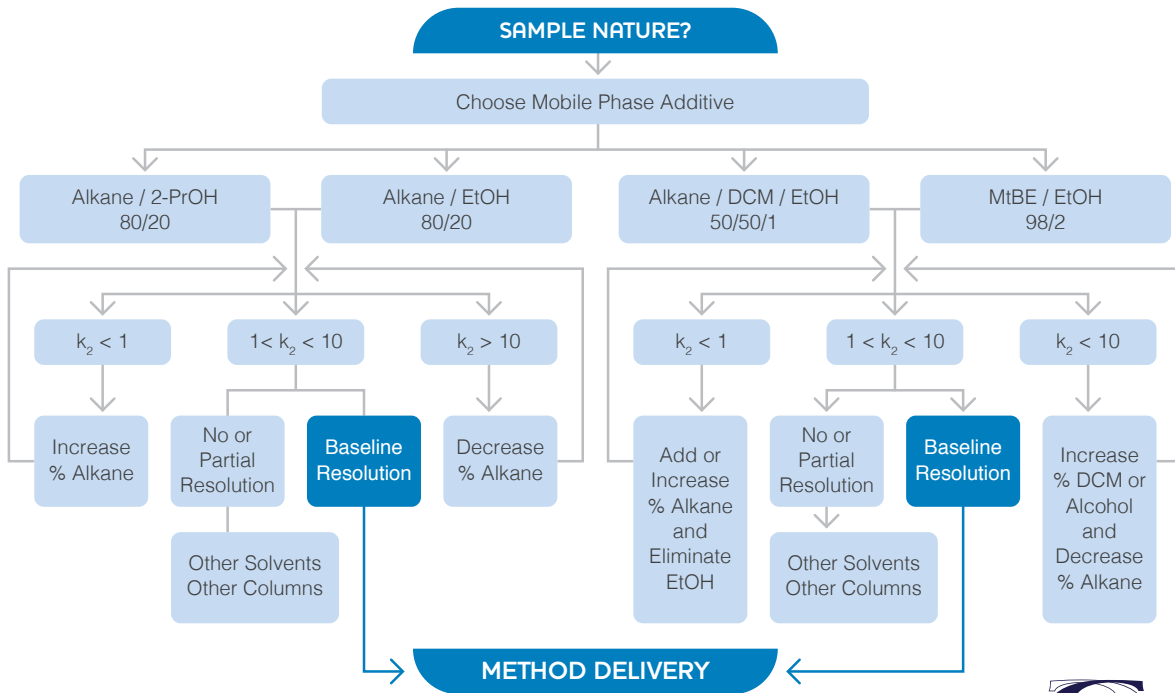
Tel +49 6131 880 96-0, Fax +49 6131 880 96-20

e-mail: info@mz-at.de, www.mz-at.de

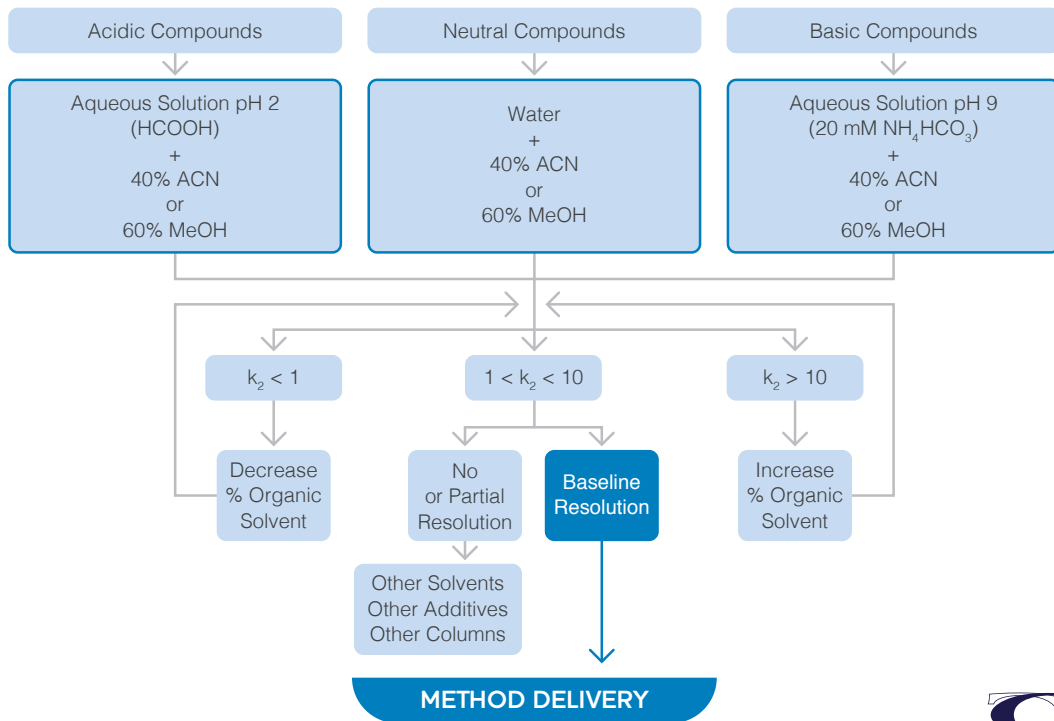
SFC SECONDARY SCREENING STRATEGY – IMMOBILIZED POLYSACCHARIDES



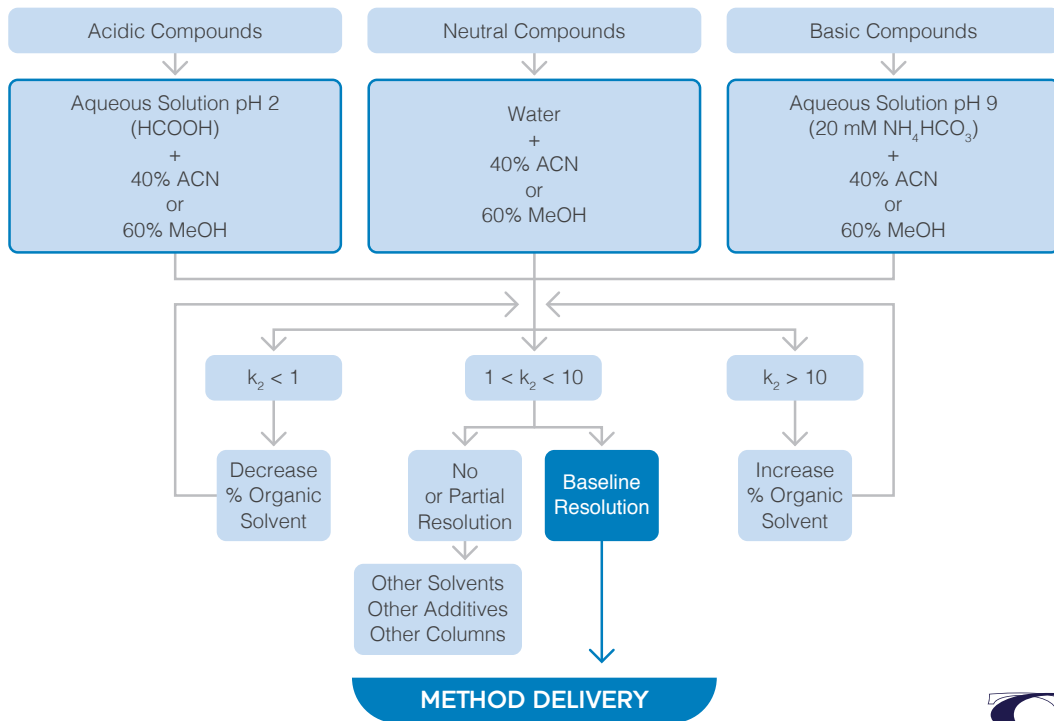
HPLC PRIMARY SCREENING STRATEGY – IMMOBILIZED POLYSACCHARIDES (ORGANIC SOLVENTS)



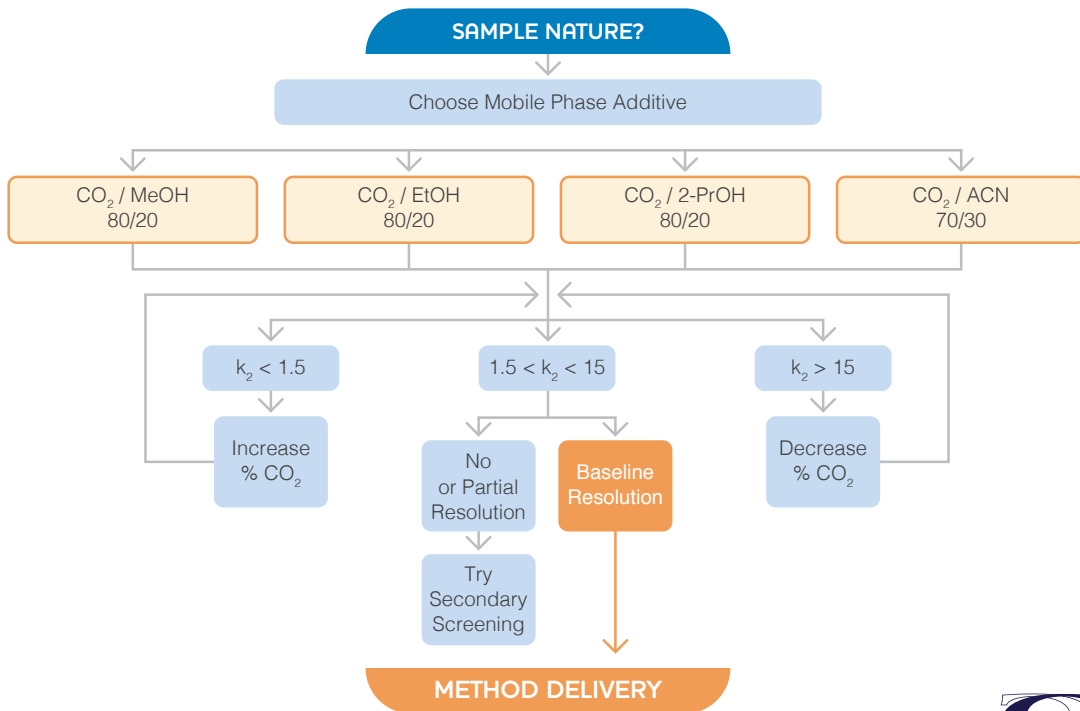
HPLC SCREENING STRATEGY – IMMOBILIZED POLYSACCHARIDES (WATER COMPATIBLE MOBILE PHASES)



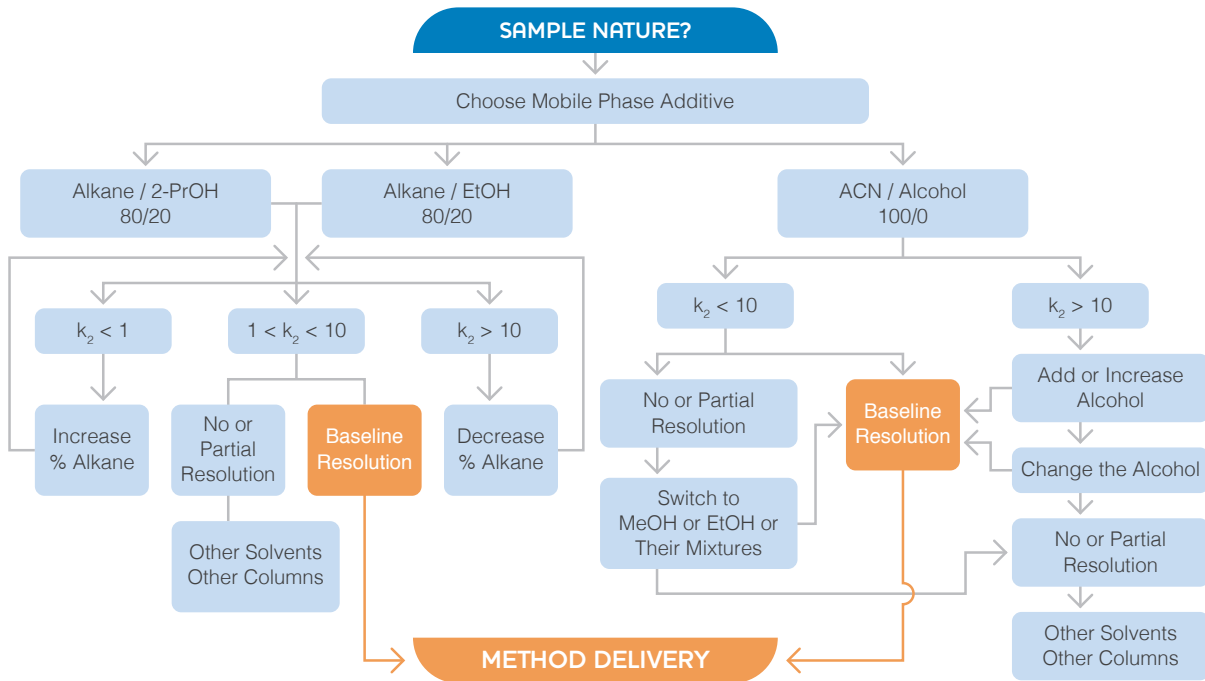
HPLC SCREENING STRATEGY – IMMOBILIZED POLYSACCHARIDES (WATER COMPATIBLE MOBILE PHASES)



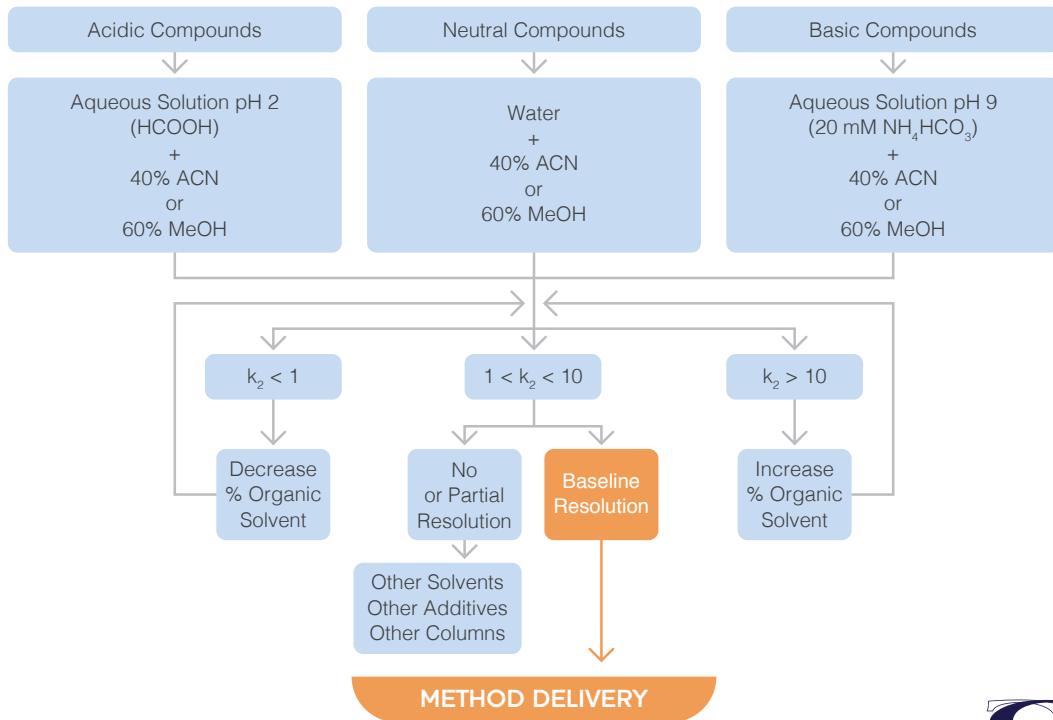
SFC SCREENING STRATEGY – COATED POLYSACCHARIDES



HPLC SCREENING STRATEGY – COATED POLYSACCHARIDES (ORGANIC SOLVENTS)



HPLC SCREENING STRATEGY – COATED POLYSACCHARIDES (WATER COMPATIBLE SOLVENTS)



SCREENING STRATEGY – CHIRALPAK AGP

TYPICAL CHROMATOGRAPHIC CONDITIONS

Column size: 4.0 mm i.d. x 100 mm long
 Temperature: 20°C
 Flow rate: 0.9 mL/min
 Sample concentration: 0.1 mg/mL
 Injection: 5 µL

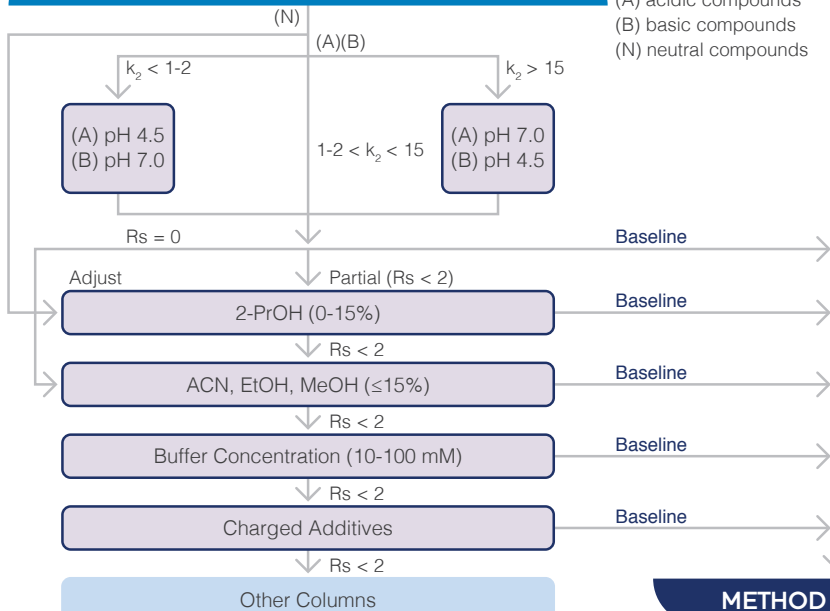
To preserve the column life, it is recommended to operate at temperatures $\leq 30^\circ\text{C}$.

Starting Condition

10 mM Ammonium Acetate Buffer (pH 5.8) / 2-PrOH = 95 / 5 (v/v)

Baseline

(A) acidic compounds
 (B) basic compounds
 (N) neutral compounds



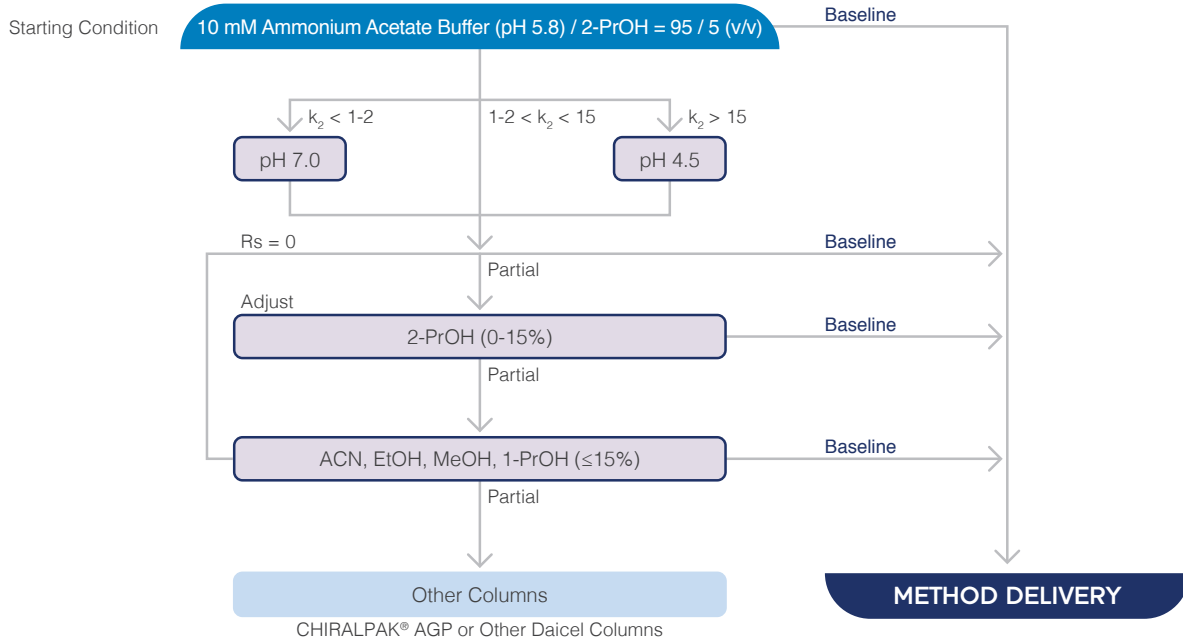
CHIRALPAK® HSA, CHIRALPAK® CBH, or other Daicel columns

SCREENING STRATEGY – CHIRALPAK CBH (PRIMARYLY FOR BASIC COMPOUNDS)

TYPICAL CHROMATOGRAPHIC CONDITIONS

Column size: 4.0 mm i.d. x 100 mm long
Temperature: 20°C
Flow rate: 0.9 mL/min
Sample concentration: 0.1 mg/mL
Injection: 5 µL

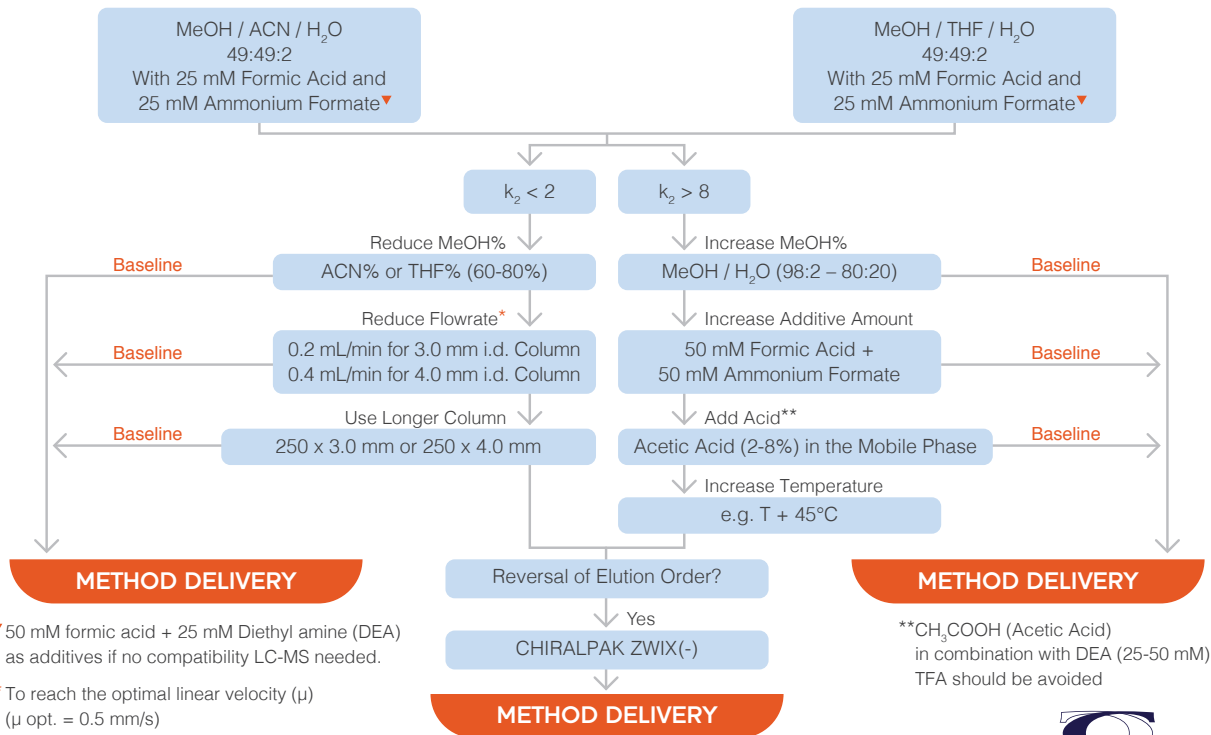
To preserve the column life, it is recommended to operate at temperatures $\leq 30^\circ\text{C}$.



SCREENING STRATEGY – CHIRALPAK ZWIX(+) AND CHIRALPAK ZWIX(-)

TYPICAL CHROMATOGRAPHIC CONDITIONS

Column size: 4.0 mm i.d. x 150 mm long
Flow rate: 0.8-1.0 mL/min
Column size: 3.0 mm i.d. x 150 mm long
Flow rate: 0.4-0.5 mL/min
Temperature: 25 °C



▼ 50 mM formic acid + 25 mM Diethyl amine (DEA) as additives if no compatibility LC-MS needed.

* To reach the optimal linear velocity (μ) (μ opt. = 0.5 mm/s)

**CH₃COOH (Acetic Acid) in combination with DEA (25-50 mM) TFA should be avoided