

- 1 -



Compound:3:1 Ratio (S)- to (R)-BenzoinType:Standard MixtureMatrix:BufferSecondary Matrix:Standard Mixture

Conditions:

Column / Capillary: AccuSep Column / Capillary Dimensions: 50 um by 60 cm Column / Capillary Part Number: WAT250-02 Flow Rate / Voltage: 16 KV Temperature: 30 degrees C Injection Volume / Type: Hydrostatic Injection Conditions: 5 seconds Sample Concentration: 100 ug/mL each Sample Preparation: Run Time: 20 minutes

Mobile Phase / Electrolyte: 50 mM phosphate/borate, pH 8.8, 25 mM R- or S-DodecoxycarbonylvalineGradient Conditions:Detection (Primary):214 nmDetection (Secondary):

Instrumentation /System:

Waters Q4000E Millennium Chromatography Manager V2.1 Control

Chromatogram / Electropherogram:



Objectives:

5

Migration order reversal of benzoin enantiomers.

Details:

Migration order reversal is useful in the analysis of trace level enantiomeric impurities. It is desireable to have the trace impurity elute first on the sharp front rather thansecond on the tail for best resolution and quantitation.

Ordering Information:

Part Number	Description	Quantity