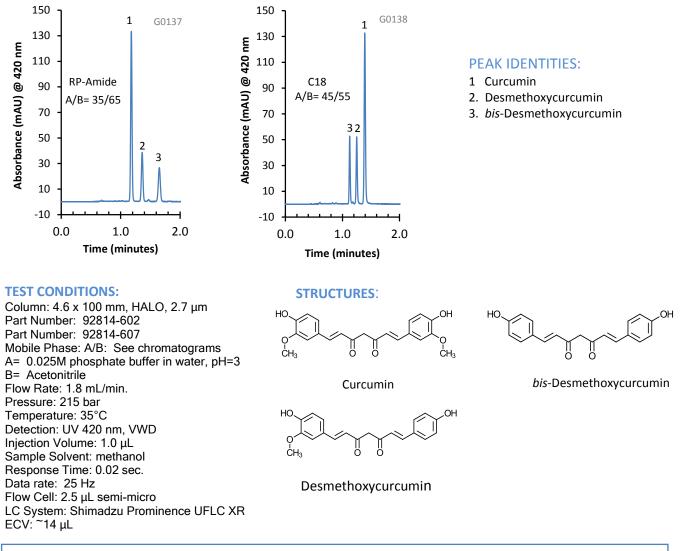
HALO: | Fused-Core® Particle Technology

Application Note: 148-F

Analysis of Curcumins on HALO RP-Amide and HALO C18



Curcumin isomers were extracted from commercial turmeric spice by adding 0.42 g of as-received turmeric to 20 mL of methanol in a vial. The mixture was vortexed and then sonicated for 5 minutes and allowed to stand overnight. After vortexing and settling, an aliquot of the supernate was filtered through a 0.2 μ m porosity Teflon syringe filter. A sample of this clear orange liquid was diluted 1:4 with methanol for injection. The chromatograms show a very different selectivity for the curcumin compounds on the two phases. This difference in selectivity for hydroxy-substituted compounds can be exploited, especially using mobile phases containing acetonitrile.



FOR MORE INFORMATION OR TO PLACE AN ORDER, CONTACT:

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