

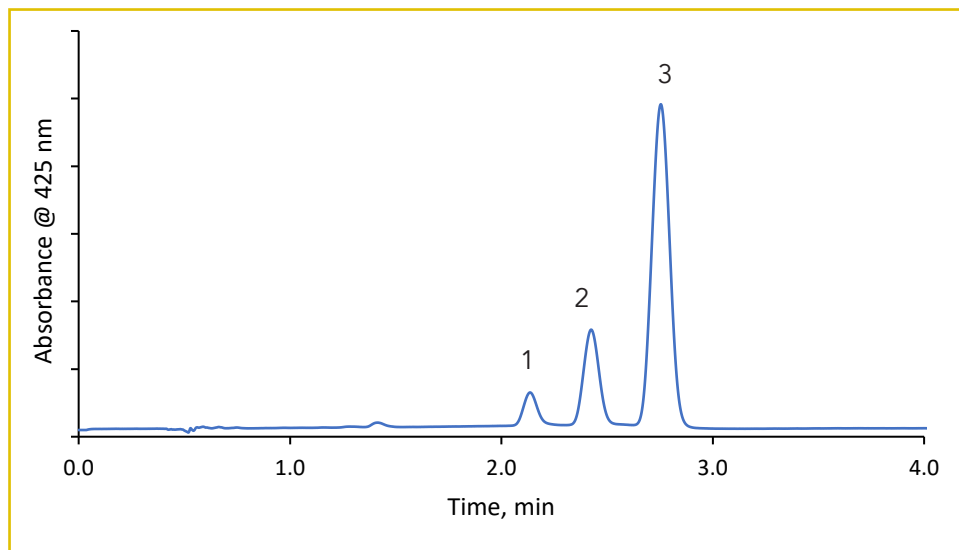


Curcumin Analysis in Turmeric on HALO® 1.5 mm C18

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PEAK IDENTITIES:

1. Bisdemethoxycurcumin
2. Demethoxycurcumin
3. Curcumin



TEST CONDITIONS:

Column: HALO 90 Å C18, 2.7µm, 1.5 x 100 mm

Part Number: 9281X-602

Mobile Phase A: Water/ 0.1% Formic Acid

Mobile Phase B: ACN/ 0.1% Formic Acid

Isocratic: 50 %B

Flow Rate: 0.2 mL/min

Back Pressure: 337 bar

Temperature: 30 °C

Detection: UV 425 nm, PDA

Injection Volume: 1 µL

Sample Solvent: Ethanol

Data Rate: 100Hz

Response Time: 0.025 sec.

Flow Cell: 1 µL

Instrument: Shimadzu Nexera X2

Turmeric - along with its most active compound, curcumin have many proven health benefits such as improved heart health, antioxidant properties, and a potent anti-inflammatory. A separation of curcumins is performed on a HALO® 1.5mm C18 column showing excellent resolution and sensitivity. Turmeric capsules were dissolved in ethanol at 0.5 mg/ml and filtered through a 0.45µm syringe filter before injection.

