

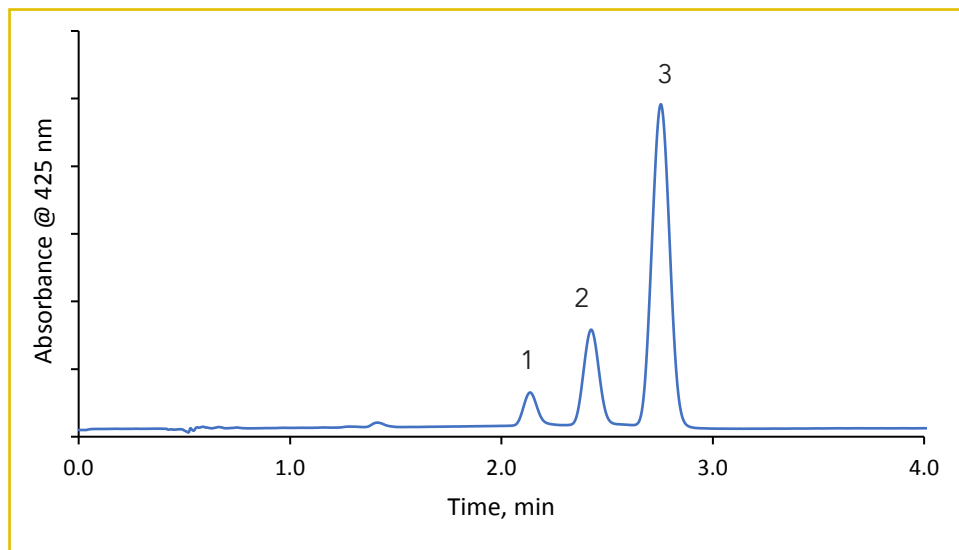


## Curcumin Analysis in Turmeric on HALO® 1.5 mm C18

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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.

