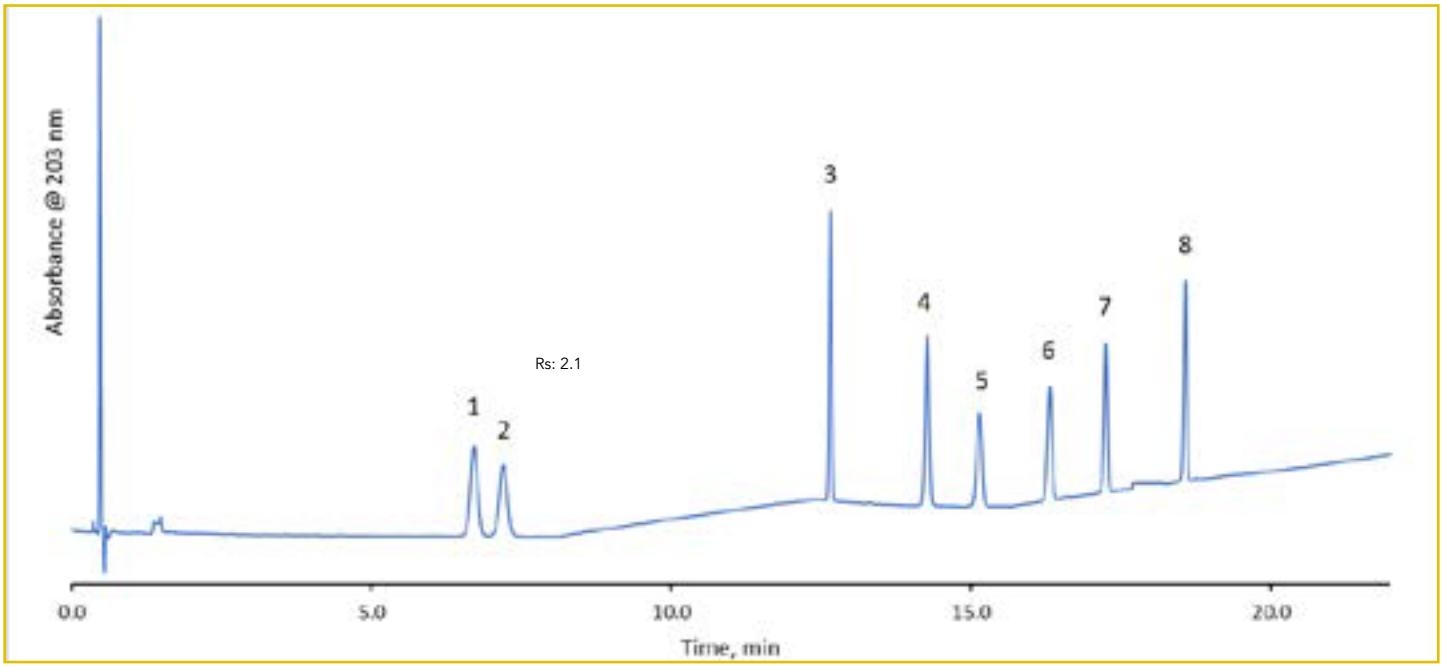
HALO®

FOOD / BEVERAGE

Modified Ginseng Analysis According to Chinese Pharmacopoeia (CP) Method using HALO® C18, 2.7 µm

262-F



TEST CONDITIONS:

Column: HALO 90 Å C18, 2.7 µm 4.6 x 100 mm
Part Number: 92814-602
Mobile Phase A: Water
Mobile Phase B: Acetonitrile

Gradient:

Time	%B
0.00	19
7.56	19
11.88	29
15.12	29
21.60	40

Flow Rate: 1.85 mL/min
Pressure: 403 bar
Temperature: 30 °C
Detection: 203 nm
Injection Volume: 2.3 µL
Sample Solvent: Acetonitrile
Data Rate: 100 Hz
Response Time: 0.025 sec.
Flow Cell: 1 µL
LC System: Shimadzu Nexera X2

PEAK IDENTITIES:

1. Ginsenoside Rg1
2. Ginsenoside Re
3. Ginsenoside Rf
4. Ginsenoside Rg2
5. Ginsenoside Rb1
6. Ginsenoside Rc
7. Ginsenoside Rb2
8. Ginsenoside Rd

Ginseng root has been used as a traditional medicine for centuries. It is believed to benefit the immune system, brain function, and act as an antioxidant that may reduce inflammation. Ginseng can be prepared as a dietary supplement, an herbal tea, or even used in cooking. Ginsenosides are a class of natural product steroid saponins primarily found in ginseng root. A separation of eight ginsenosides is achieved on a 2.7 µm HALO® C18 column following a modified Chinese Pharmacopoeia (CP) Method.

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