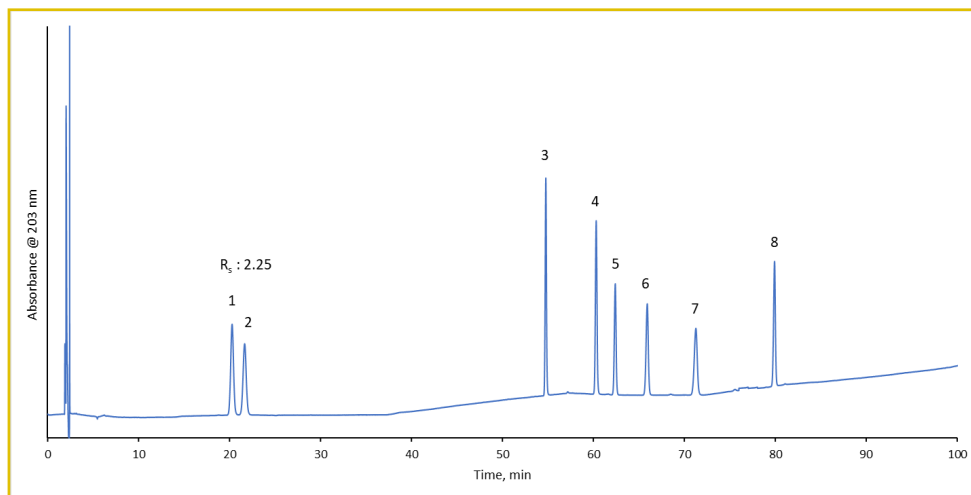




Ginseng Analysis According to Chinese Pharmacopoeia (CP) Method using 5 µm HALO® C18

261-F



TEST CONDITIONS:

Column: HALO 90 Å C18, 5 µm 4.6 x 250mm

Part Number: 95814-902

Mobile Phase A: Water

Mobile Phase B: Acetonitrile

| Gradient: | Time | %B |
|-----------|-------|----|
| | 0.0 | 19 |
| | 35.0 | 19 |
| | 55.0 | 29 |
| | 70.0 | 29 |
| | 100.0 | 40 |

Flow Rate: 1.0 mL/min

Pressure: 185 bar

Temperature: 30 °C

Detection: 203 nm

Injection Volume: 5 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 Rdm

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 5 µm HALO® C18 column following the Chinese Pharmacopoeia (CP) Method.

