DAISOGEL
Purity. Sustained.

Cannabis & Hemp Purification Solutions

As medicinal and recreational cannabis markets continue to grow, manufacturers and contract laboratories must provide purification services that meet state requirements for product certification. Separation of psychoactive from non-psychoactive compounds via reverse phase liquid chromatography is a critical way to ensure the supply of accurately labeled and compounded products to consumers.

DAISO Fine Chem USA offers a range of chromatography silica gels to separate cannabinoids with high throughput and resolution.

Product Name	Pore Size	Particle Size	Phase	Max. Pressure
SP-120-10-ODS-RPS	120 Å	10 µm	C18	80-100 bar
SP-120-20-ODS-RPS	120 Å	20 µm	C18	20 bar
SP-120-50-ODS-RPS	120 Å	50 µm	C18	8 bar

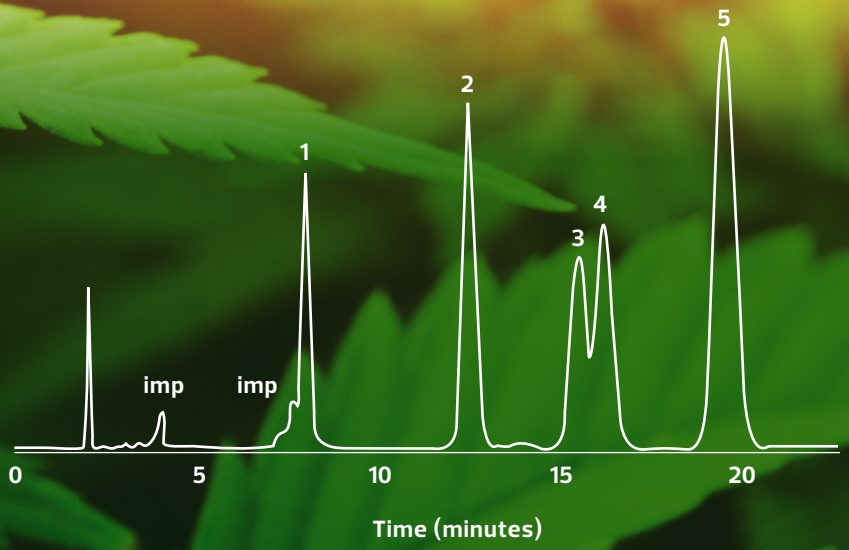
Note: Prepacked columns are also available in different sizes upon request.

Cannabinoid Study using DAISOGEL SP-120-10-ODS-RPS

Reverse phase chromatography is a common mode to separate hemp-derived cannabidiol from THC constituents. Here we see a DAISOGEL C18 separation using an acetonitrile/methanol eluent that achieves baseline resolution.

Column Size: 4.6 mm ID X 250 mm L
Eluent: 70% Acetonitrile, 15% Methanol
Flow Rate: 1.0 mL/min
Injection Volume: 10 µL
Temperature: 25 C°
UV Wavelength: 235 nm

1. Cannabidiol CBD
2. Cannabichromene CBC
3. Delta 8-Tetrahydrocannabinol THC D-8
4. Delta 9-Tetrahydrocannabinol THC D-9
5. Cannabinol CBOH



For samples or more information, please contact:
Kazu Kudo | Chromatography Group, Manager | +1 310.540.5312 Ext. 302 | kkudo@osaka-soda.co.jp

www.daisogelusa.com