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ProductInformation

D9-TETRAHYDROCANNABINOL

Methanol Solution

Product Number T 4764 Synonyms Tetrahydro-6,6,9-trimethyl-3-pentyl-

Lot Number 115K8809 6H-dibenzo[b,d]pyran-1-ol;

 Δ^1 -Tetrahydrocannabinol; Δ^9 -THC; Δ^1 -THC

Stability If stored at 2-8°C in an air tight container, protected from light, decomposition of the

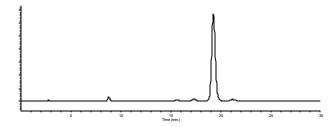
1.02 mg Δ^9 -Tetrahydrocannabinol/mL protected from light, decomposition of the GC grade methanol (conc. verified product is less than 1% in 24 months. After opening, concentration may change due to

loss of solvent.

Molecular Formula $C_{21}H_{30}O_2$ loss of solvent.Molecular Weight314.5Expiration DateDecember 2008

DEA Class Exempt preparation of Class I **Storage** 2-8°C.

High Pressure Liquid Chromatography



Column C-18: 5 micron, 4.6 x 25 cm (Supelco 58298-C46)

Mobile Phase

80 % Methanol / 20 % 18 MΩ water

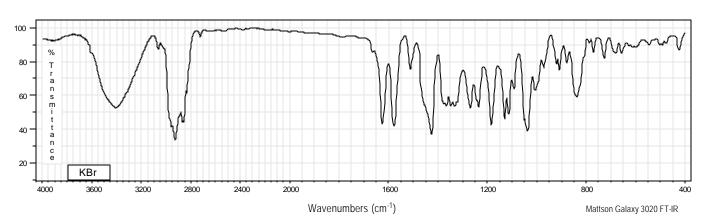
Gradient isocratic **Flow Rate** 1.0 mL/min.

Temp ambient

Detector UV @ 210 nm

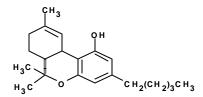
Perkin-Elmer LC-4 with Hewlett-Packard 3365 Series II Chemstation

FT-IR



∆9-TETRAHYDROCANNABINOL

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Ultraviolet Spectrum

Peak276.0 nmAbsorbance0.388SolventMethanol

Dilution

200

220

1.0 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1

260

Wavelength (nm)

280

300

Bio-Tek Uvikon XL

240

1:9(v/v)

Capillary Gas Chromatography

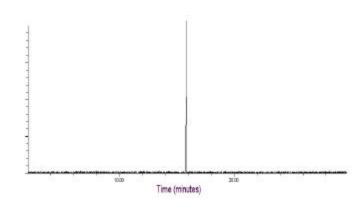
Column Supelco SPB-1 (Cat. No. 2-4162)

I.D. 0.20 mm **Length** 15 m **Film Thickness** $0.20 \, \mu \text{m}$ **Oven Temperature** 50°C (2 min.), then 15°/min. to 300°C ,

hold 11 min.

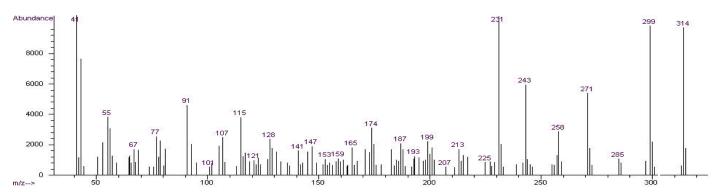
Injector Temperature 250°C, Split **Detector** Hewlett-Packard 5971

Mass Selective Detector (70 eV, 40-500 m/z)



Hewlett-Packard 5890

70 eV Electron Ionization Mass Spectrum



Hewlett-Packard 5890 Series II Gas Chromatograph Hewlett-Packard 5971 Mass Selective Detector Hewlett-Packard G1034C MS ChemStation (HP-DOS series)

T 4764/115K8809/11/07/05

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