

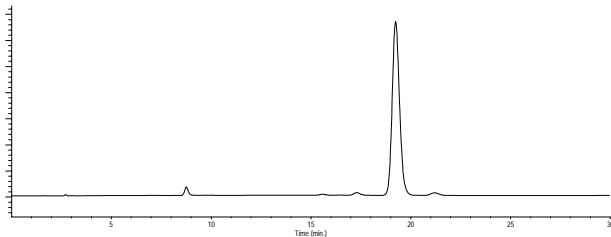
Product Information

Δ^9 -Tetrahydrocannabinol

Methanol Solution

Product Number	T 4764	Synonyms	Tetrahydro-6,6,9-trimethyl-3-pentyl-6H-dibenzo[b,d]pyran-1-ol; Δ^1 -Tetrahydrocannabinol; Δ^9 -THC; Δ^1 -THC
Lot Number	064K8809	Stability	If stored at 2-8°C in an air tight container, protected from light, decomposition of the product is less than 1% in 24 months. After opening, concentration may change due to loss of solvent.
CAS Number	[1972-08-3]	Expiration Date	April 2007
Concentration	1.02 mg Δ^9 -Tetrahydrocannabinol/mL GC grade methanol (conc. verified by HPLC)	Storage	2-8°C.
Molecular Formula	C ₂₁ H ₃₀ O ₂		
Molecular Weight	314.5		
DEA Class	Exempt preparation of Class I		

High Pressure Liquid Chromatography



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

Mobile Phase

80 % Methanol / 20 % 18 M Ω water

Gradient isocratic

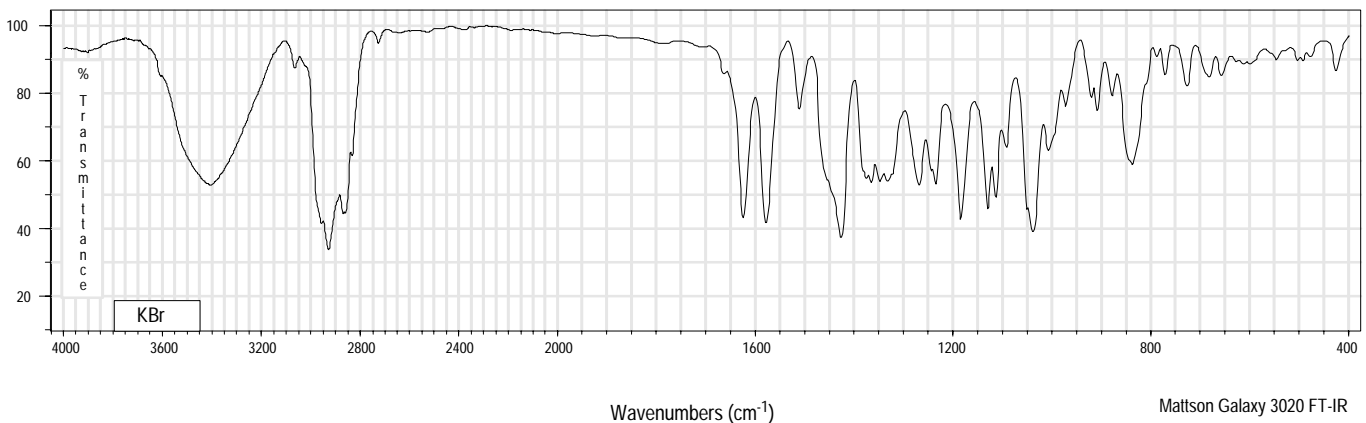
Flow Rate 1.0 mL/min.

Temp ambient

Detector UV @ 210 nm

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

FT-IR



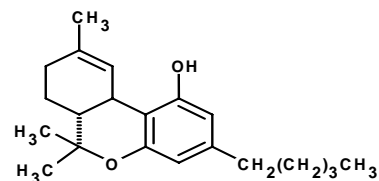
Mattson Galaxy 3020 FT-IR

Δ^9 -Tetrahydrocannabinol

Methanol Solution

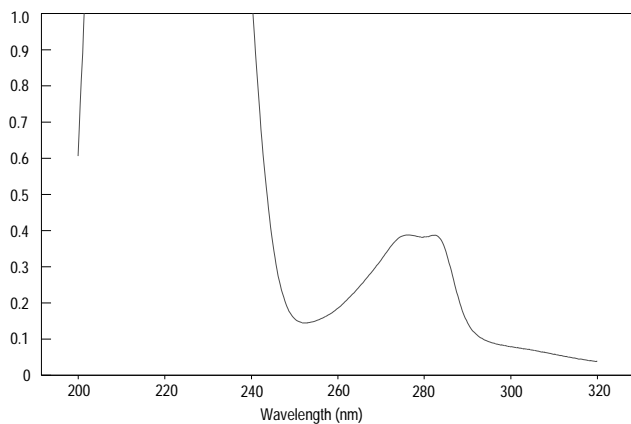
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Ultraviolet Spectrum

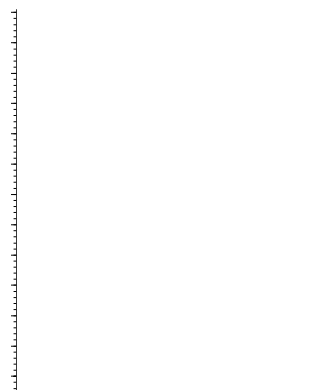
Peak	276.0 nm
Absorbance	0.388
Solvent	Methanol
Dilution	1 : 0 (v/v)



Bio-Tek Uvikon XL

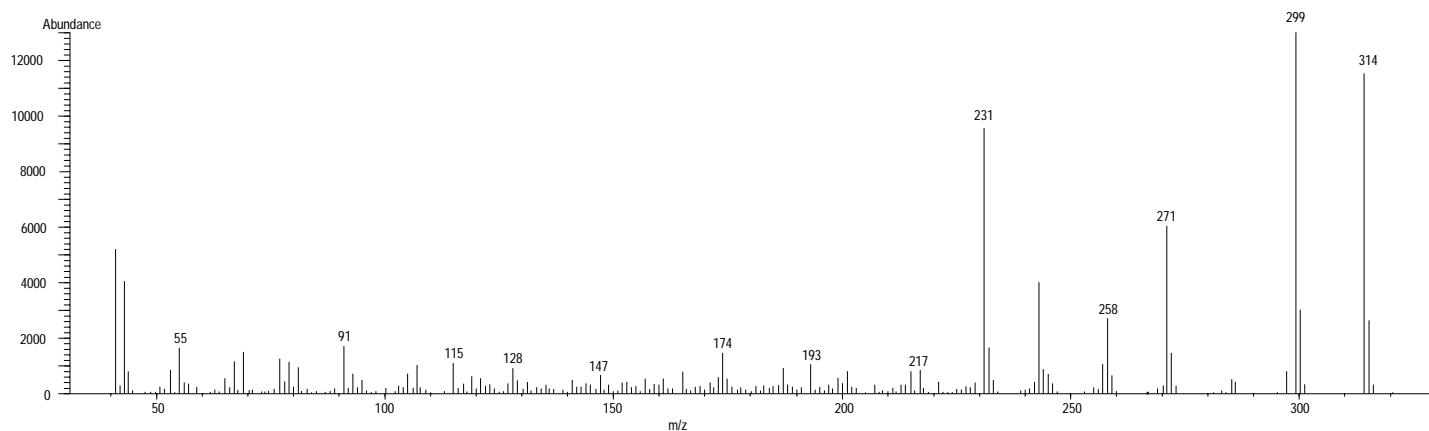
Capillary Gas Chromatography

Column Supelco SPB-1 (Cat. No. 2-4162)
I.D. 0.20 mm **Length** 15 m **Film Thickness** 0.20 μm
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 4764/64K8809/0721/04

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