



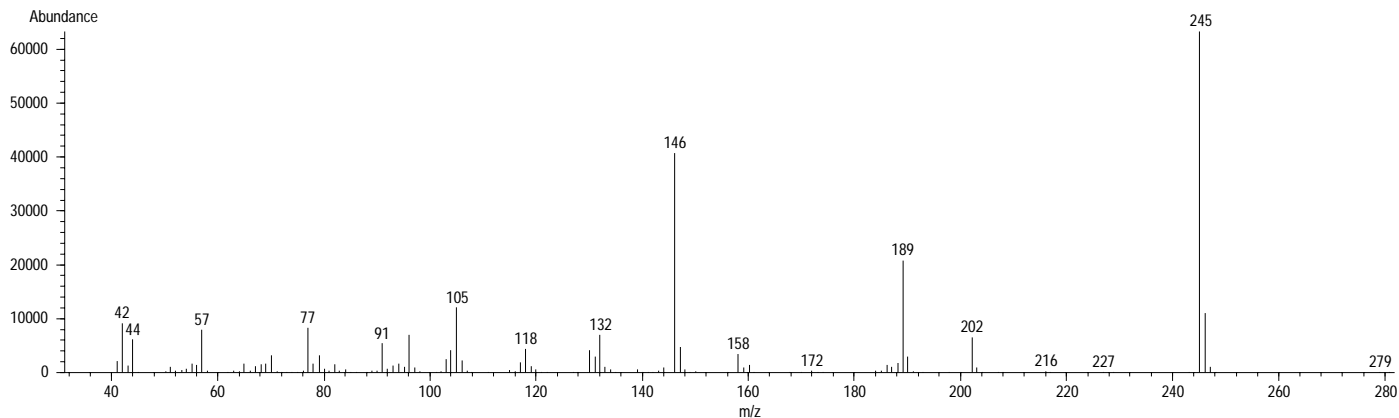
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Product Information

FENTANYL CITRATE

Methanol Solution

Product Number	F 5886	Synonyms	N-Phenyl-N-[1-(2-phenylethyl)-4-piperidiny]propanamide Citrate
Lot Number	12K8801	Stability	If stored at 2-8°C in an air tight container, protected from light, decomposition of the product is less than 1% in 48 months. After opening, concentration may change due to loss of solvent.
CAS Number	[990-73-8]	Expiration Date	September 2006
Concentration	151 µg Fentanyl Citrate (equivalent to 96 µg free base) per mL GC grade Methanol : t-Butanol (3 : 2 v/v) (conc. verified by UV)	Storage	2-8°C; After opening, transfer contents to small vial provided for your convenience.
Molecular Formula	$C_{22}H_{28}N_2O \cdot C_6H_8O_7$	DEA Class	Exempt preparation 70 eV Electron Ionization Mass Spectrum
Molecular Weight	528.6		



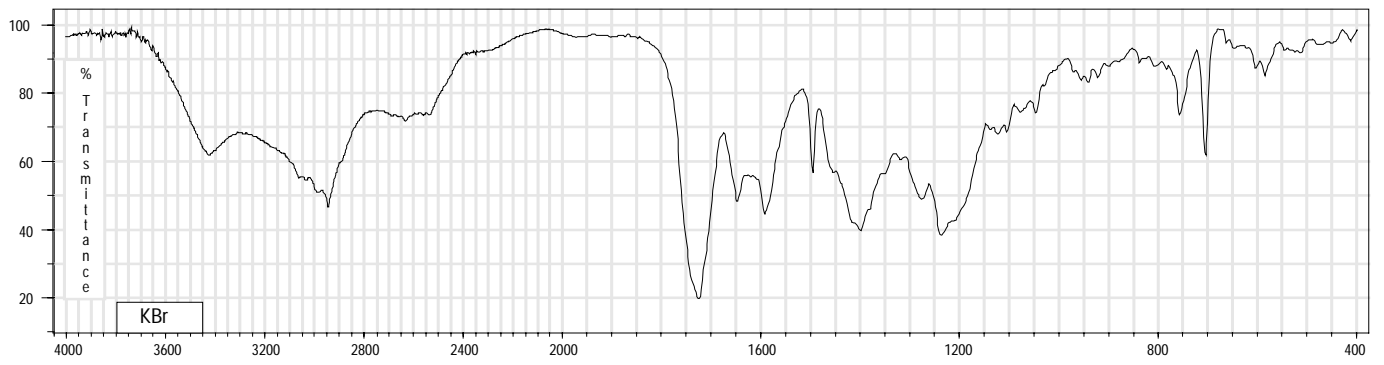
of Class II

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

FT-IR

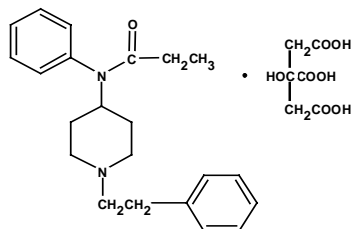
Wavenumbers (cm⁻¹)

Mattson Galaxy 3020 FT-IR



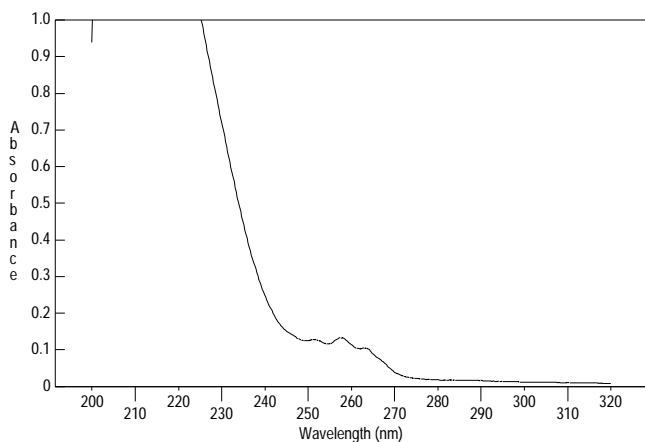
FENTANYL CITRATE

Methanol Solution
Product Number F 5886
Lot Number 12K8801



Ultraviolet Spectrum

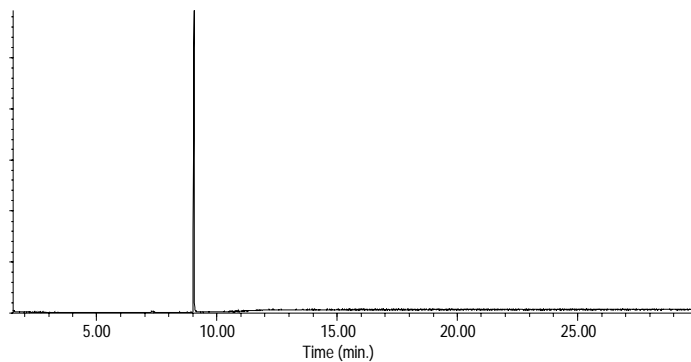
Peak	257.8 nm
Absorbance	0.133
Solvent	0.2 N H ₂ SO ₄
Dilution	1 : 0.1 (v/v)



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 150°C (2min.), then 15°/min to 300°C, hold 18 min.
Injector Temperature 250°C, Splitless
Detector Hewlett-Packard 5971
Mass Selective Detector (70 eV, 40-500 m/z)



Hewlett-Packard 5890

F 5886/12K8801/01/22/02

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