

Product Information

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D-Amphetamine sulfate salt solution

1.0 mg/mL $\pm$ 5% in methanol

drug standard

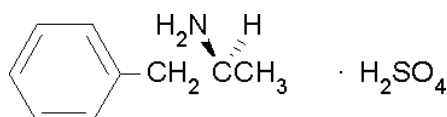
Catalog Number **A3278**

Lot Number 107K5006

Storage Temperature 2–8 °C

CAS RN 51-63-8

Synonyms: (+)- α -Methylbenzeneethanamine sulfate;
d- α -Methylphenethylamine sulfate; Phenaminum;
1-Phenyl-2-aminopropane sulfate; Dextroamphetamine
sulfate



Concentration: 1.41 mg of D-Amphetamine sulfate
(equivalent to 1.03 mg of free base)/mL of GC grade
methanol (concentration verified by UV)

Appearance: Clear and Colorless

Precautions and Disclaimer

This product is for R&D use only, not for drug,
household, or other uses. Please consult the Material
Safety Data Sheet for information regarding hazards
and safe handling practices.

Product Description

Molecular Formula: C₁₀H₁₅N · H₂SO₄

Molecular Weight: 368.49

DEA Class: Exempt preparation of Class II

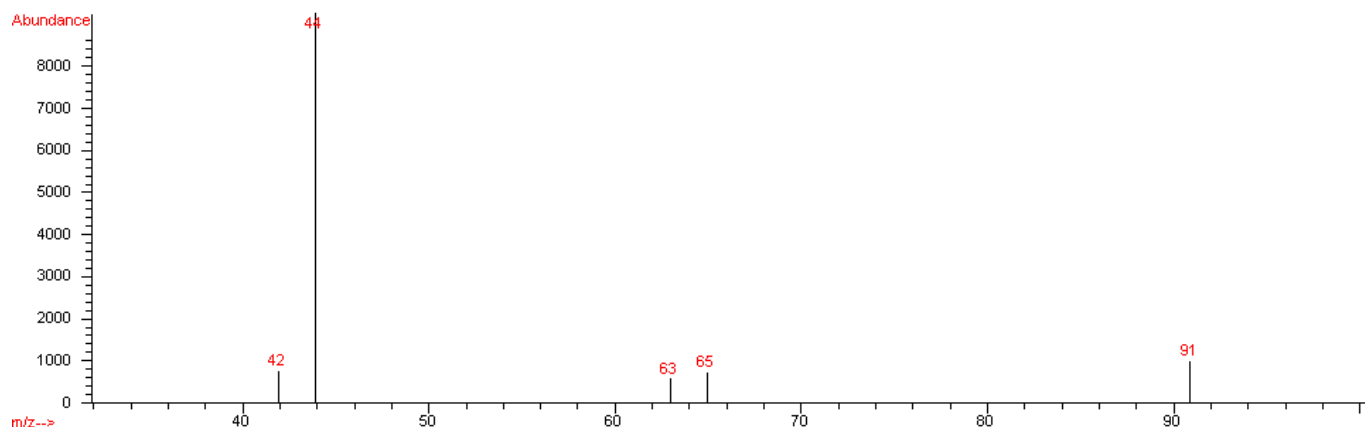
Expiration Date: December 2011

Storage/Stability

Store the product at 2–8 °C. If stored at 2–8 °C in an
airtight 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.

KSP,MAM 01/08-1

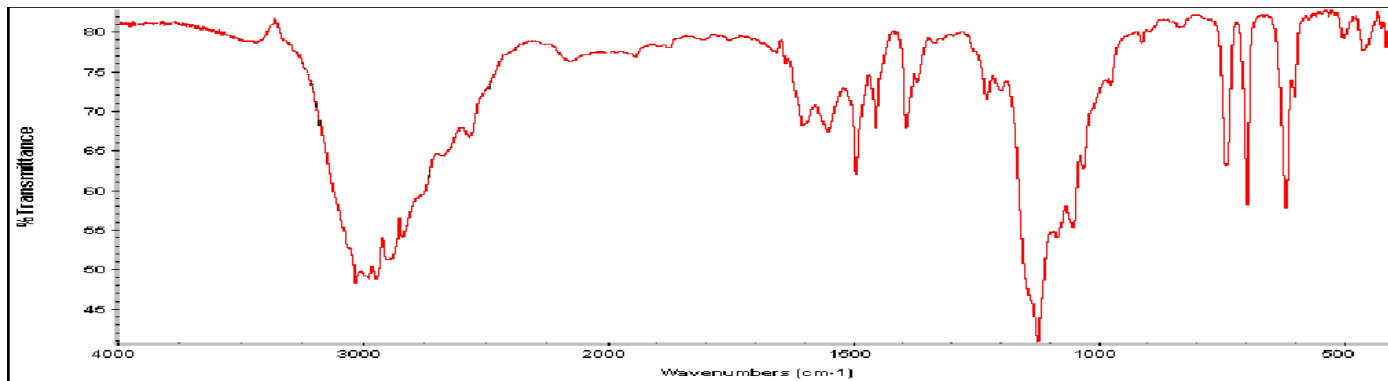
70 eV Electron Ionization Mass Spectrum



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

SIGMA-ALDRICH™

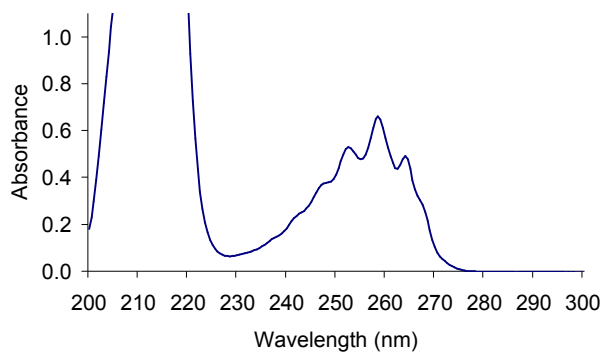
FT-IR



Nicolet Magna IR Spectrometer Series II

Ultraviolet Spectrum

Peak	258.5 nm
Absorbance	0.662
Solvent	Methanol
Dilution	1:2 (v/v)

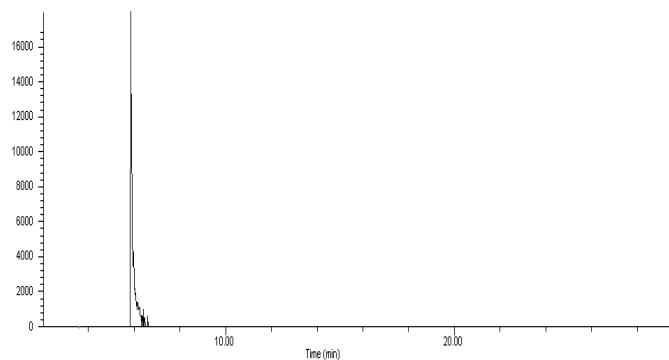


Bio-Tek Uvikon XL

Capillary Gas Chromatography

Column Supelco SPB-1 (Catalog Number 24162)
I.D. 0.20 mm **Length** 15 m **Film Thickness** 0.20 μm
Oven Temperature 50 °C (2 minutes), then
15 °C/minute to 300 °C, hold 11 minutes
Injector Temperature 250 °C, Split
Detector Hewlett-Packard 5971
Mass Selective Detector (70 eV, 40-500 m/z)

Converted to the free base for chromatography



Hewlett-Packard 5890

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