

## Product Information

### D-Amphetamine hemisulfate salt solution

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

analytical standard, for drug analysis

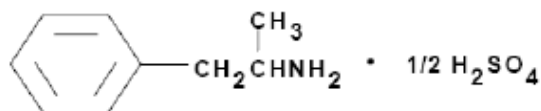
Catalog Number **A3278**

Lot Number SLBR2324V

Storage Temperature 2–8 °C

CAS RN 51-63-8

Synonyms: Dextroamphetamine hemisulfate salt,  
(+)- $\alpha$ -Methyphenethylamine hemisulfate salt,  
(+)- $\alpha$ -Methylbenzeneethanamine hemisulfate,  
Phenyl-2-aminopropane hemisulfate, Phenaminum



### Product Description

Molecular Formula: C<sub>9</sub>H<sub>13</sub>N · 0.5 H<sub>2</sub>SO<sub>4</sub>

Molecular Weight: 184.25

DEA Class: Exempt preparation of Class II

Concentration: 1.35 mg of D-Amphetamine hemisulfate (equivalent to 1.03 mg of free base)/mL of GC grade methanol, concentration verified by UV.

Expiration Date: July 2019

### Precautions and Disclaimer

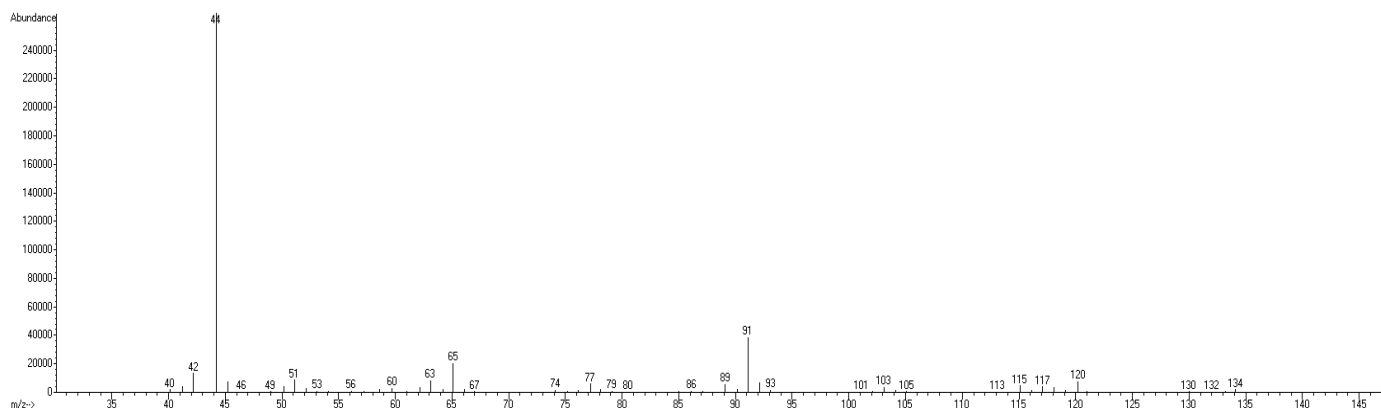
This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

### 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.

CMW,MAM 07/16-1

### 70 eV Electron Ionization Mass Spectrum



Hewlett-Packard 6890 Series II Gas Chromatograph  
Hewlett-Packard 5973 Mass Selective Detector  
Hewlett-Packard G1701DA MS ChemStation (HP-DOS series)

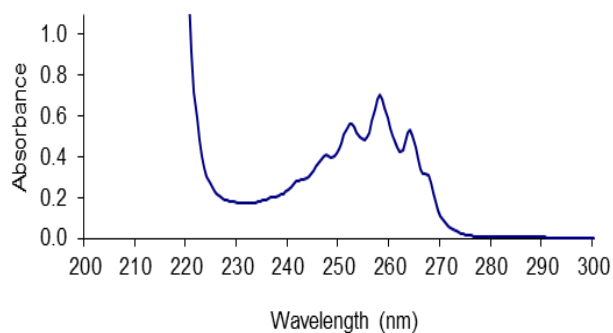
### FT-IR



Nicolet 380 FT-IR Smart Orbit(ATR)

### Ultraviolet Spectrum

|                   |           |
|-------------------|-----------|
| <b>Peak</b>       | 258.0 nm  |
| <b>Absorbance</b> | 0.702     |
| <b>Solvent</b>    | Methanol  |
| <b>Dilution</b>   | 1:1 (v/v) |

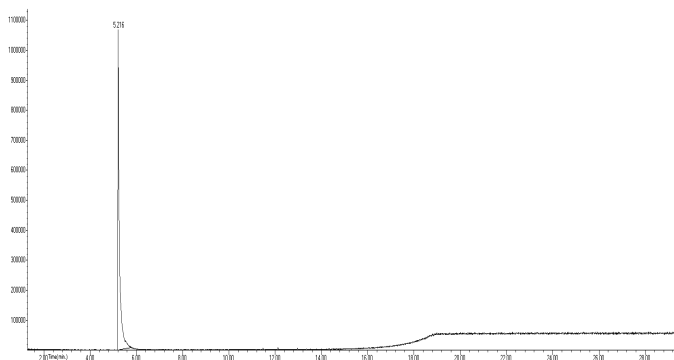


Shimadzu UV-1800

### Capillary Gas Chromatography

**Column** Supelco SPB-1 (Catalog Number 24162)  
**I.D.** 0.20 mm **Length** 15 m **Film Thickness** 0.20  $\mu\text{m}$   
**Oven Temperature** 50 °C (2 minutes), then  
 15 °C/minute to 300 °C, hold 11 minutes  
**Injector Temperature** 250 °C, Splitless  
**Detector** Hewlett-Packard 5973  
 Mass Selective Detector (70 eV, 40-500 m/z)

Converted to free base for chromatography



Hewlett-Packard 6890