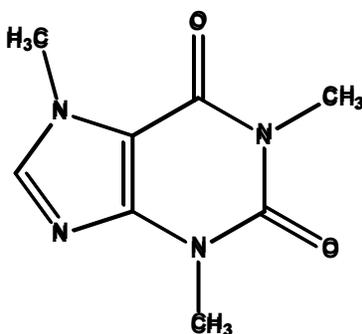




U.S. Pharmacopeia  
The Standard of Quality<sup>SM</sup>

# USP Certificate

## Caffeine Melting Point Standard LOT K2M218



### Molecular Formula

**C<sub>8</sub>H<sub>10</sub>N<sub>4</sub>O<sub>2</sub>**

### Molecular Weight

**194.19**

### CAS Number

**58-08-2**

### LABEL TEXT



Lot No.: K2M218



### USP<sup>®</sup> REFERENCE STANDARD

#### CAFFEINE MELTING POINT STANDARD 1 g

Danger! Toxic if swallowed. Harmful if inhaled.

Not more than 1.7 °C range between 235.2 °C and 238.1 °C  
Gently pulverize material and dry over silica gel for 16 hours before use.

When using Chapter <741> the temperature range falls within the indicated acceptance temperatures shown above using a 1° ramp and 3 mm capillary height. Keep container tightly closed. Store in a desiccator.

USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0868  
CAT No. 1086006 Material mfd in Germany

Intentionally over-labeled for GHS compliance

For use with specified USP compendial tests. Not for use as a drug. See SDS prior to use at [www.usp.org/sds](http://www.usp.org/sds).

Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume. Wash thoroughly after handling. If swallowed: Immediately call a poison center/doctor. Rinse mouth. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

*Jeri L. Joth*

Quality Assurance

### **Calculation Value**

Unless otherwise stated on the Reference Standard label, a value of 100.0% should be used in the compendial applications for which the use of this Reference Standard is intended. Please refer to the specific Reference Standard label for further information.

### **Expiration**

Current lots are identified in the current USP Catalog. In some cases, the previous lot may still be considered valid for use. If so, it is identified in the column marked "Previous Lot/Valid Use Date."

It is the responsibility of each user to determine that this lot is current or valid when used. For the most up-to-date information, please refer to the USP Store at [www.usp.org](http://www.usp.org).

### **Instructions for Use**

Follow the instructions on the label of the USP Reference Standard and in the appropriate USP documentary standard(s).

### **Non-Monograph Use**

The suitability of this Reference Standard for use in non-compendial applications is solely the responsibility of the user.

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