

# H & A (Canada) Inc.

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## PRODUCT DATA

# CAFFEINE ANHYDROUS USP/BP

**Item #:** CA205  
**CAS#:** [58-08-2]

**M.Wt:** 194.19 g/mol  
**M.Fm:** C<sub>8</sub>H<sub>10</sub>N<sub>4</sub>O<sub>2</sub>

### **Description:**

Caffeine is a fine, silky, white crystalline powder, odorless and has bitter taste. It is soluble in water, alcohol, chloroform and ether.

### **Applications:**

Used to characterize cola-type drinks, energy drinks and other beverages. It is also used extensively in coating and encapsulation of pharmaceutical products.

### **Specifications:**

This product meets the specifications of USP 30 and BP 2007 .

Identification	.....	As per standard
Clarity & Color of Solution	.....	Clear, colorless
Melting Range	.....	235°C-239.0°C
Acidity or Alkalinity (0.01M NaOH)	.....	0.2 ml max.
Sulfate	.....	240 ppm max.
Residue on Ignition	.....	0.1% max.
Readily Carbonizable Substances	.....	Per standard
Heavy Metals (Method II)	.....	10 ppm max
Loss on Drying	.....	0.5% max.
Assay (on the dried basis)	.....	98.5% - 101.0%
Other Alkaloids	.....	Per standard
Related Substances	.....	0.5% max.
Organic Volatile Impurities	.....	Meets the requirement

### **Packaging and Storage:**

Preserve 25 kg fibre drums. Stored in well-closed containers.