

Specification

Technical Data Sheet

CAS**58-08-2****STORAGE****Ambient****MOLECULAR WEIGHT****194.19****PRODUCT****Caffeine - USP, BP, pH Eur**

Product number	90037429
CAS number	58-08-2
Molecular formula	C ₈ H ₁₀ N ₄ O ₂
Molecular weight	194.19 g/mol

PARAMETER**SPECIFICATION**

Appearance	White crystalline powder
Assay/Purity	98.5 - 101.0%
Identification	Conforms to reference
Loss on Drying	≤ 0.5%
Melting Point	235.0 - 237.5°C
Acidity	≤ 0.2ml of 0.01M NaOH
Appearance of Solution	Clear colourless
Identification A	Spectrogram conforms to USP reference
Solubility	Sparingly soluble in water, freely soluble in boiling water, slightly soluble in ethanol (96%). It dissolves in concentrated solutions of alkali benzoates or salicylates. It sublimes readily
Total Impurities	≤ 0.1%
Identification B	Retention time corresponds to USP standard
Sulphates (SO ₄)(2-)	≤ 500ppm

**SPECIFICATION
STATEMENT**

The values stated above represent the standard specification for this product, issued under **Molekula Ltd**'s quality management system. Batch-specific results are provided on the Certificate of Analysis.

STORAGE

Store as indicated on the product label, away from light, moisture and incompatible materials.

Molekula Ltd would like to thank you for your support of our products and service.

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