

Specification

Technical Data Sheet

CAS

58-08-2

STORAGE

Ambient

MOLECULAR WEIGHT

194.19

PRODUCT

Caffeine 98.5% min.

Product number	90032840
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- clear and colourless
Assay (HPLC)	98.5-101.0%
Heavy metals	Max 0.001 %
Identification	Conforms to reference spectrum
Loss on Drying	Max 0.5 %
Melting Point	234 - 239 °C
Total impurity	≤0.1%
Chromatographic purity (single impurity)	≤0.1%
HPLC	Conforms to the chromatogram of the standard preparation
Residual Solvents: Chloroform	Max 60 ppm, mg/kg
Residue on Ignition	Max 0.1 %
Sulphated Ash	Max 0.1 %
Acidity(0.01M NaOH)	≤ 0.2
Assay (dried basis)	98.5 - 101.5 %
Sulphates (SO ₄)(2-)	Max 500 ppm, mg/kg

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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