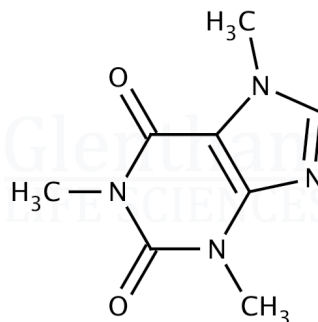


Certificate of Analysis

Product Name Caffeine, Ph. Eur., USP grade
Glentham Code GP3094
CAS Number 58-08-2
EINECS 200-362-1
MDL Number MFCD00005758
PubChem SID 310269194
Batch Number 750SUH

Molecular Weight 194.19
Molecular Formula $C_8H_{10}N_4O_2$
Storage Temp. +20°C



Property	Specification	Batch 750SUH
Physical Description	White crystalline powder	White crystalline powder
Melting Point	234.0 - 239.0 °C	237.0 - 238.0 °C
Appearance of Solution	Clear, colourless	Conforms
Acidity	≤ 0.2ml (0.01M, NaOH)	Conforms
Any Individual Impurity	≤ 0.1%	Conforms
Total Impurities	≤ 0.1%	Conforms
Sulphate (SO ₄)	≤ 500ppm	≤ 240ppm
Heavy Metals (as Pb)	≤ 10ppm	Conforms
Loss on Drying	≤ 0.5%	0.1%
Residue on Ignition	≤ 0.1%	Conforms
Assay (HPLC)	99.0 - 101.0 % (dried basis)	99.9%
Pharmacopoeia Specification(s)	EP, USP, BP	Conforms

Specification Version v1.0
Manufacture Date 2021-08-13
Re-Test Date 2030-12-10

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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