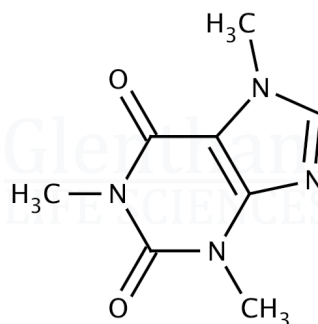


Certificate of Analysis

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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