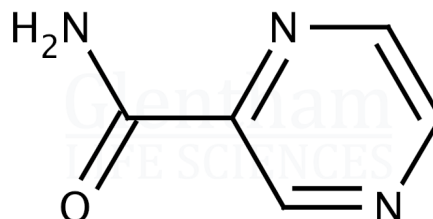


## Certificate of Analysis

Product Name	Pyrazinecarboxamide, BP, Ph. Eur., USP grade
Glentham Code	GA3511
CAS Number	98-96-4
EINECS	202-717-6
MDL Number	MFCD00006132
Batch Number	165ENG
Molecular Weight	123.11
Molecular Formula	$C_5H_5N_3O$
Storage Temp.	+20°C



Property	Specification	Batch 165ENG
Physical Description	White crystalline powder	Conforms
Identification (IR)	To conform to standard	Conforms
Identification (UV)	Absorptivities at 268nm within 3.0% of reference	Conforms
Identification	To pass ammonia test	Conforms
Melting Point	188.0 - 191.0 °C	190.1 - 190.8 °C
Solubility (1% in water)	Clear, colourless solution	Conforms
Acidity or Alkalinity	To pass test	Conforms
Water	≤ 0.5%	0.01%
Sulphated Ash	≤ 0.1%	0.04%
Impurity A	≤ 0.05% (HPLC)	Not detected
Impurity B	≤ 0.10% (HPLC)	≤ 0.05%
Any Other Individual Impurity	≤ 0.05% (HPLC)	Not detected
Total Impurities	≤ 0.20% (HPLC)	≤ 0.05%
Assay	99.0 - 101.0 % (BP, Ph. Eur.)	100.1%
Assay	99.0 - 101.0 % (USP)	100.1%
Pharmacopoeia Specification(s)	BP, Ph. Eur., USP	Conforms to BP, Ph. Eur., USP

Specification Version	v1.0
Manufacture Date	2015-12-25
Re-Test Date	2023-09-28

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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