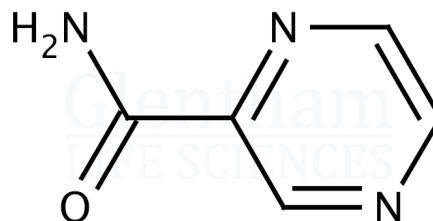


Certificate of Analysis

Product Name	Pyrazinecarboxamide, BP, Ph. Eur., USP grade
Glentham Code	GA3511
CAS Number	98-96-4
EINECS	202-717-6
Numéro MDL	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	2029-09-28

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 or contact us using the details above for the current version of this document.

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