

Certificate of Analysis

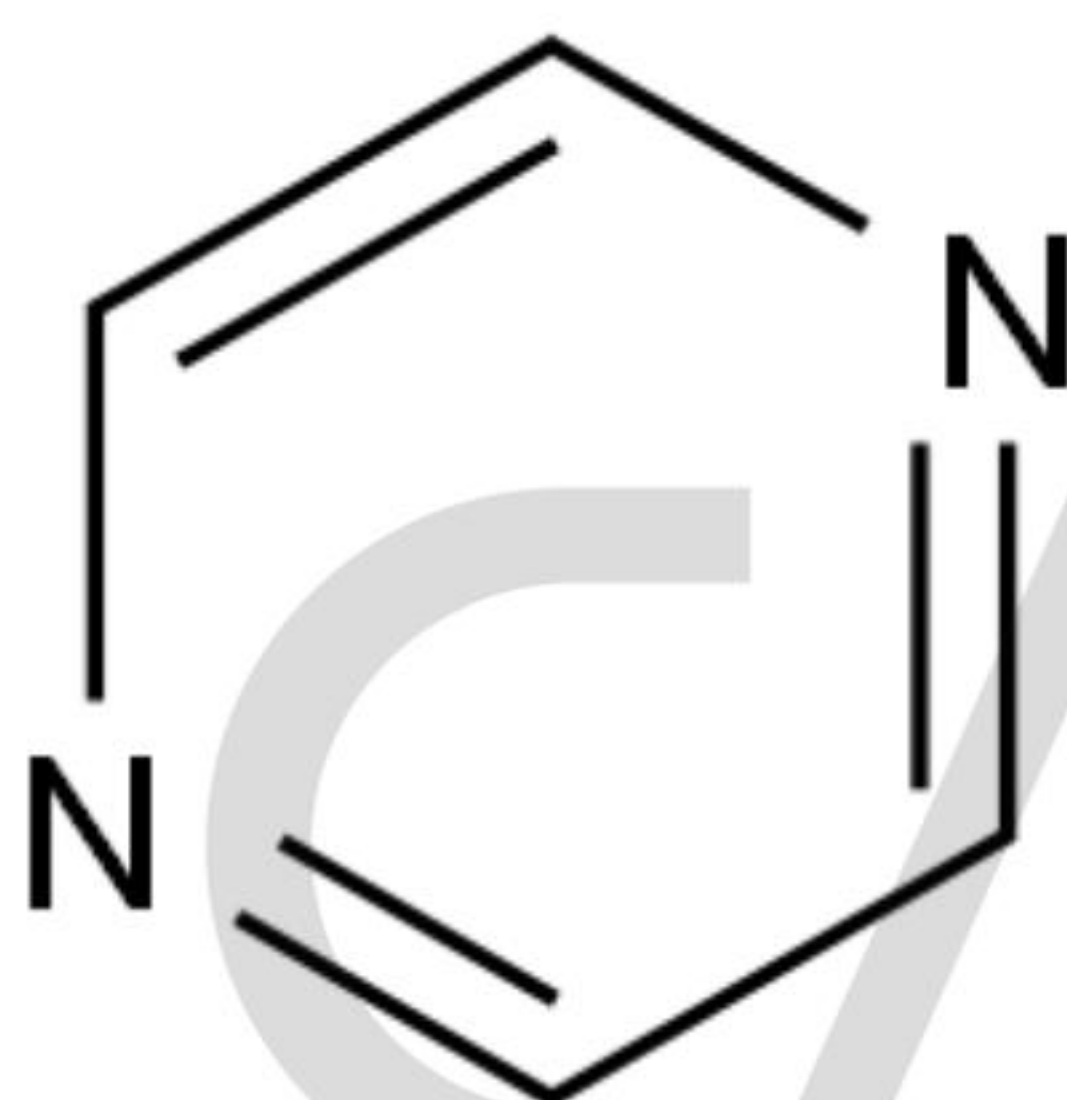
Reference Material & Standard

Product Name:	Glucosamine sulfate Impurity 14	Catalogue Number:	C4X-194614
Synonyms:	Pyrazine	Lot Number:	0712-RH-0062
CAS Number:	290-37-9	Expiry Date:	Jul 14, 2030
Molecular Formula:	C ₄ H ₄ N ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	80.09	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	GCMS&HNMR	Confirmed
Purity	GC	100.000%
Water Content	Karl Fischer	0.2281%
Assay		99.8%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content) * Purity GC (%) / 100%

Water Content is considered as absolute effect, GC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jul 15, 2026

Date: Jul 15, 2026

Date: Jul 15, 2026



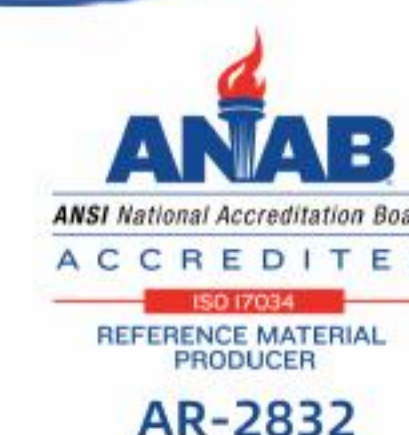
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

Page 1 of 6



Official
WeChat