

Certificate of Analysis

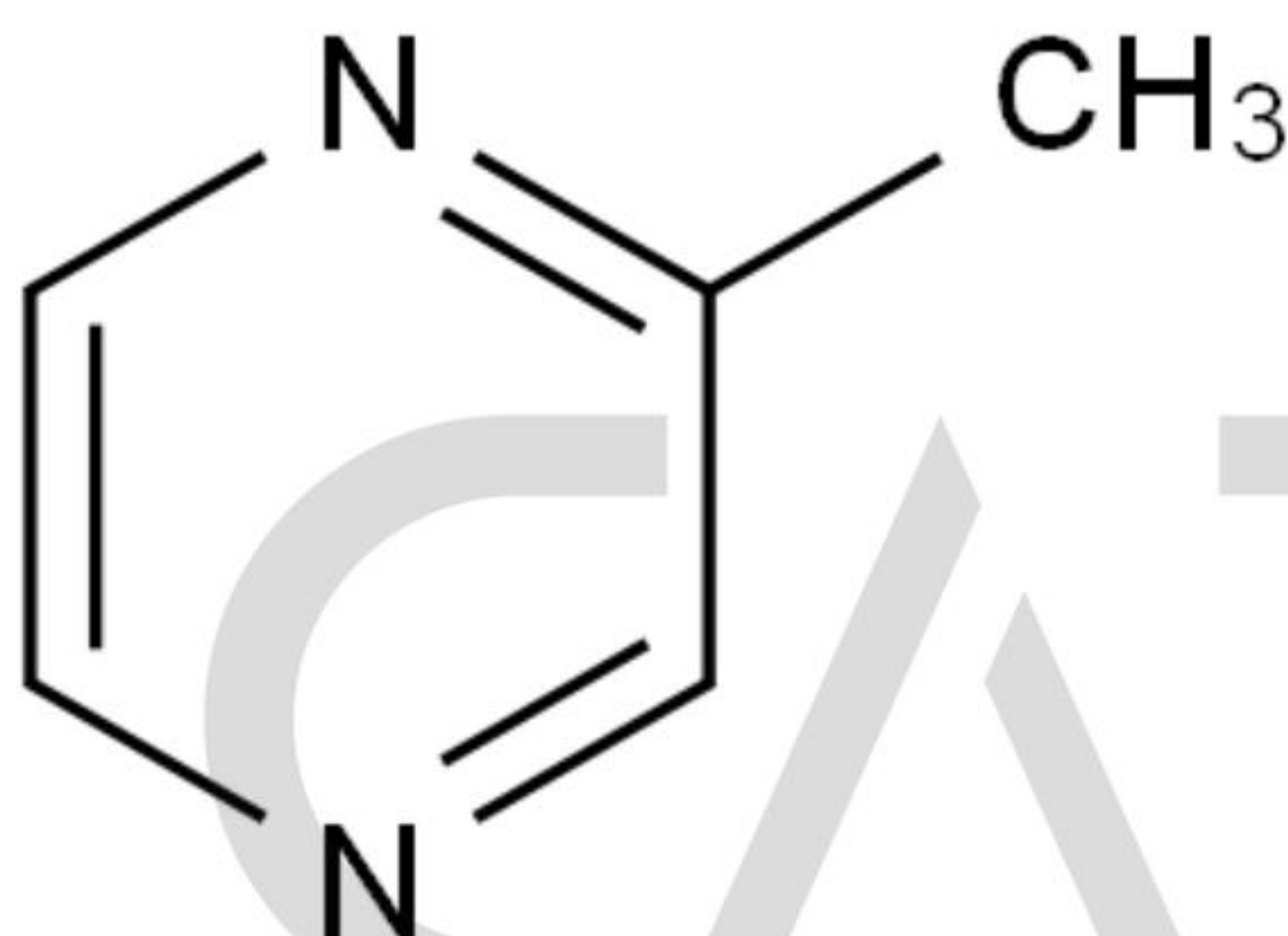
Reference Material & Standard

Product Name:	Glucosamine sulfate Impurity 15	Catalogue Number:	C4X-194615
Synonyms:	2-Methylpyrazine	Lot Number:	0507-RA-0008
CAS Number:	109-08-0	Expiry Date:	Jul 22, 2030
Molecular Formula:	C ₅ H ₆ N ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	94.11	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	100.0000%
Water Content	Karl Fischer	0.4188%
Assay		99.6%

Comment:

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

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

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

Signature:

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Approved by General Manager:

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Date: Jul 23, 2026

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