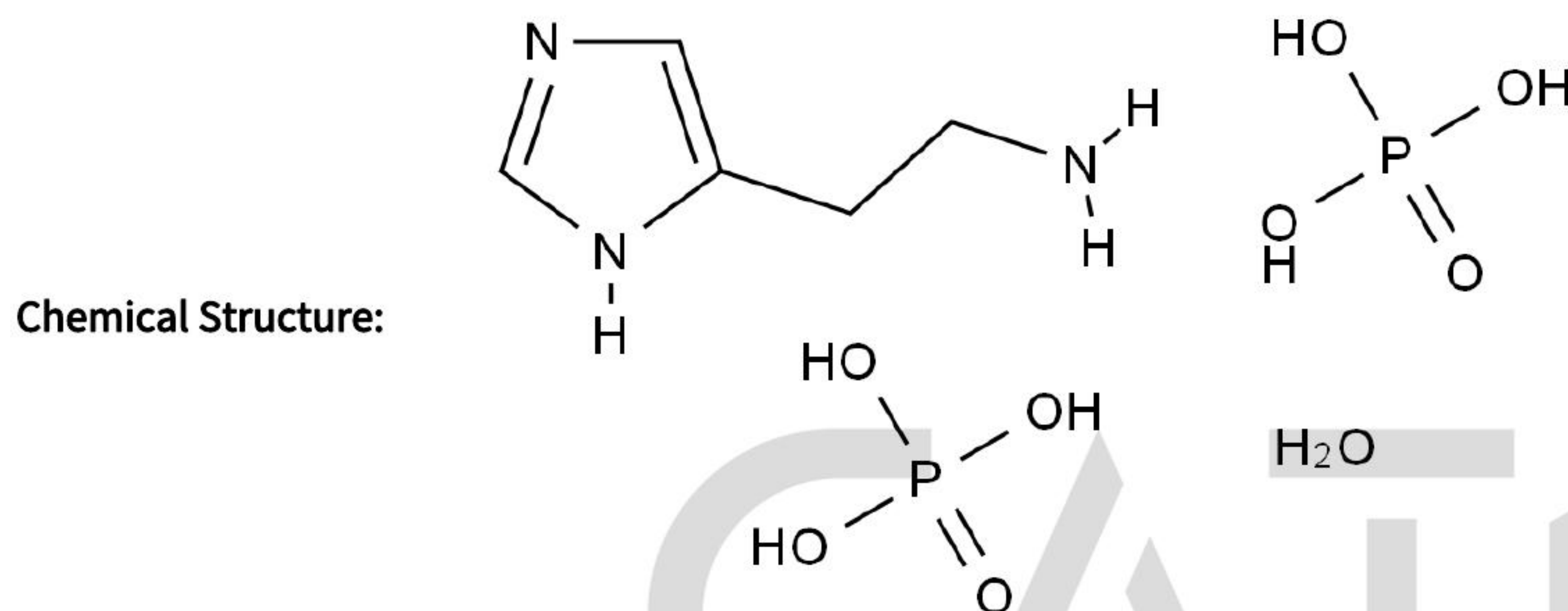


Certificate of Analysis

Reference Material

Product Name:	Histamine Bisphosphate Monohydrate	Catalogue Number:	CCHM700610
Chemical Name:	N/A	Lot Number:	0628-RE-0021
CAS Number:	51-74-1	Expiry Date:	Jun 28, 2027
Molecular Formula:	C ₅ H ₉ N ₃ 2*H ₃ O ₄ P H ₂ O	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	111.15 2*98.00 18.02		



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Water Content	Karl Fischer	5.7139%
Water Content(Free Water)		0.1722%
Assay		99.8%
Uncertainty		±2.0%

Comment:

- The content of crystal water is 5.5417%.
- The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content(Free Water)}) * \text{Purity HPLC (\%)} / 100\%$$
 Water Content(Free Water) is considered as absolute effect, HPLC purity is considered as relative effect.
- The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Yuki

Reviewed by:

Lisa

Aporoved by General manager:

David

Date: Jun 29, 2023

Date: Jul 03, 2023

Date: Jul 03, 2023

