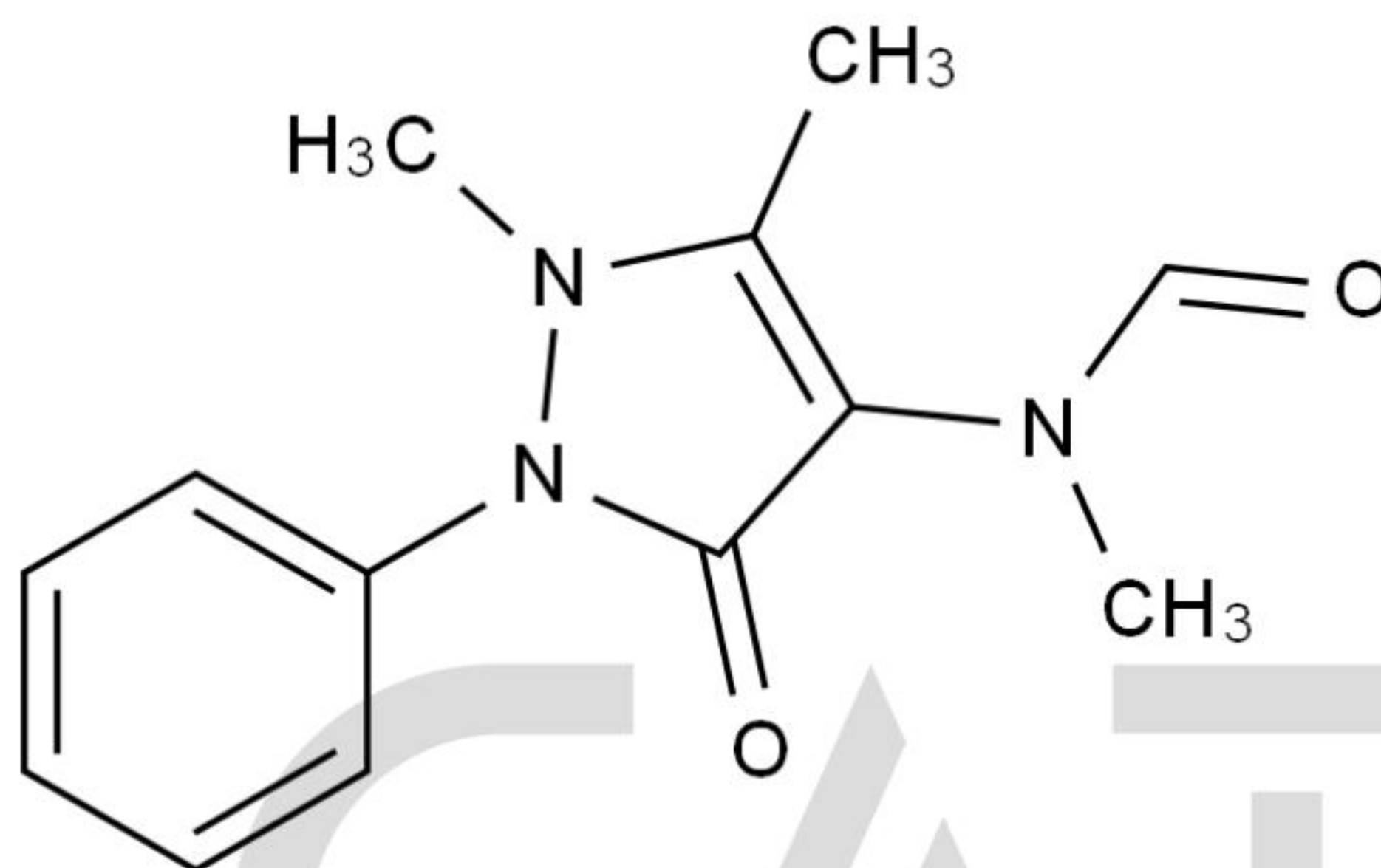


Certificate of Analysis

Reference Material

Product Name:	Antipyrine Impurity 1	Catalogue Number:	C4X-22881
Chemical Name:	N/A	Lot Number:	1103-RD-0005
CAS Number:	1672-59-9	Expiry Date:	Jan 27, 2024
Molecular Formula:	C ₁₃ H ₁₅ N ₃ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	245.28		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	99.0846%
Water Content	Karl Fischer	0.1%
Residual Solvents	NMR	0.7% ethyl acetate
Assay		98.3%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

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

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Hinlam

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Nov 06, 2022

Date: Nov 14, 2022

Date: Nov 14, 2022

