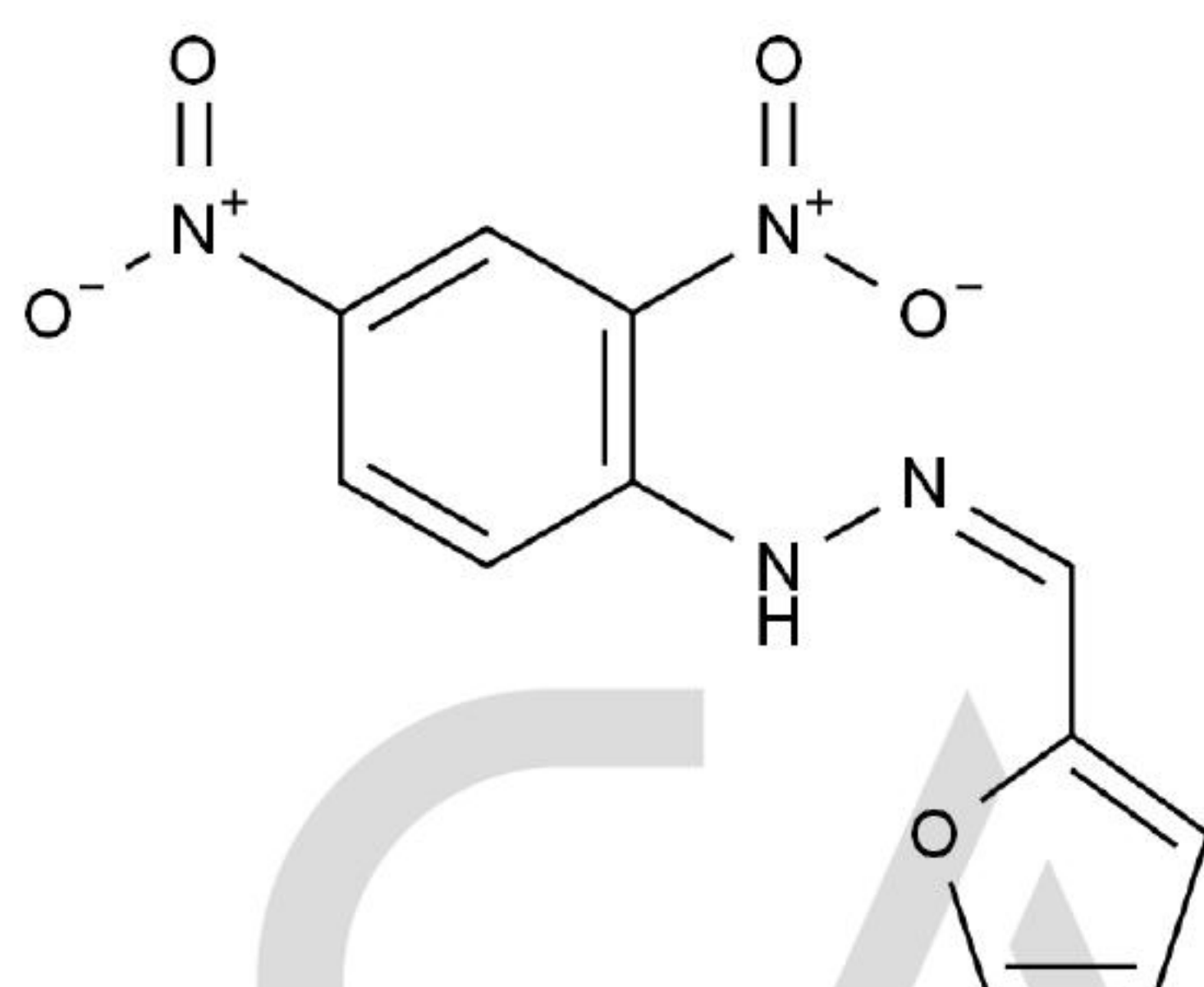


Certificate of Analysis

Reference Material

Product Name:	Furfural-2,4-dinitrophenylhydrazone	Catalogue Number:	CCAD301571
Chemical Name:	N/A	Lot Number:	1017-RD-0035
CAS Number:	2074-02-4	Expiry Date:	Feb 23, 2025
Molecular Formula:	C ₁₁ H ₈ N ₄ O ₅	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	276.21		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Purity	UPLC	99.8%
Water Content	Elemental Analysis	2.3046%
Assay		97.5%
Uncertainty		±3.0%

Comment:

1. No chromatogram available.

Assay was determined by elemental analysis.

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

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

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

3. 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:

Xenia

Reviewed by:

Hinlam

Aporoved by General manager:

David

Date: Feb 23, 2021

Date: Oct 20, 2022

Date: Oct 20, 2022

