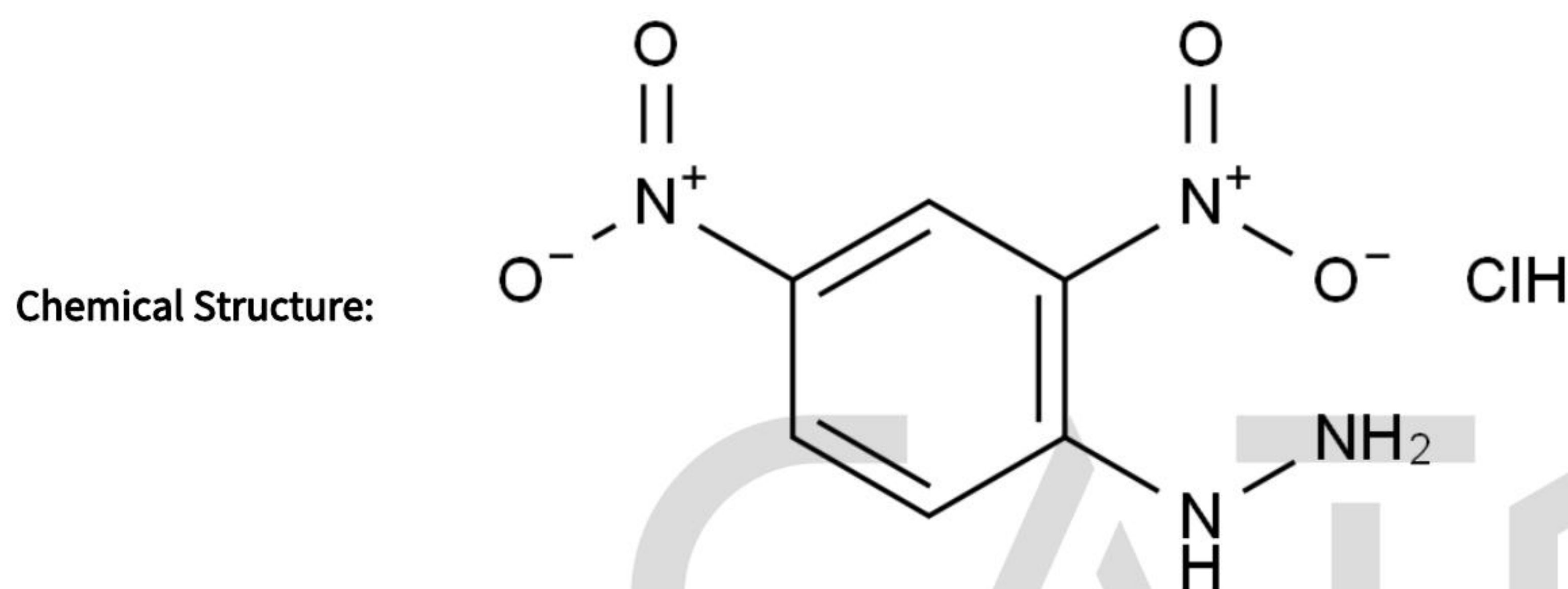


Certificate of Analysis

Reference Material

Product Name:	2,4-Dinitrophenylhydrazine Hydrochloride	Catalogue Number:	CCHM704895
Chemical Name:	N/A	Lot Number:	0531-RD-0023
CAS Number:	55907-61-4	Expiry Date:	Aug 09, 2026
Molecular Formula:	C ₆ H ₆ N ₄ O ₄ HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	198.14 36.46		



Test Items	Method	Results
Appearance	Visual inspection	Yellow Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.127%
Loss On Drying	TGA	12.1924%
Assay		84.4%
Uncertainty		±2.0%

Comment:

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

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

2. 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:

Debia

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Aug 10, 2022

Date: Aug 10, 2022

Date: Aug 10, 2022

