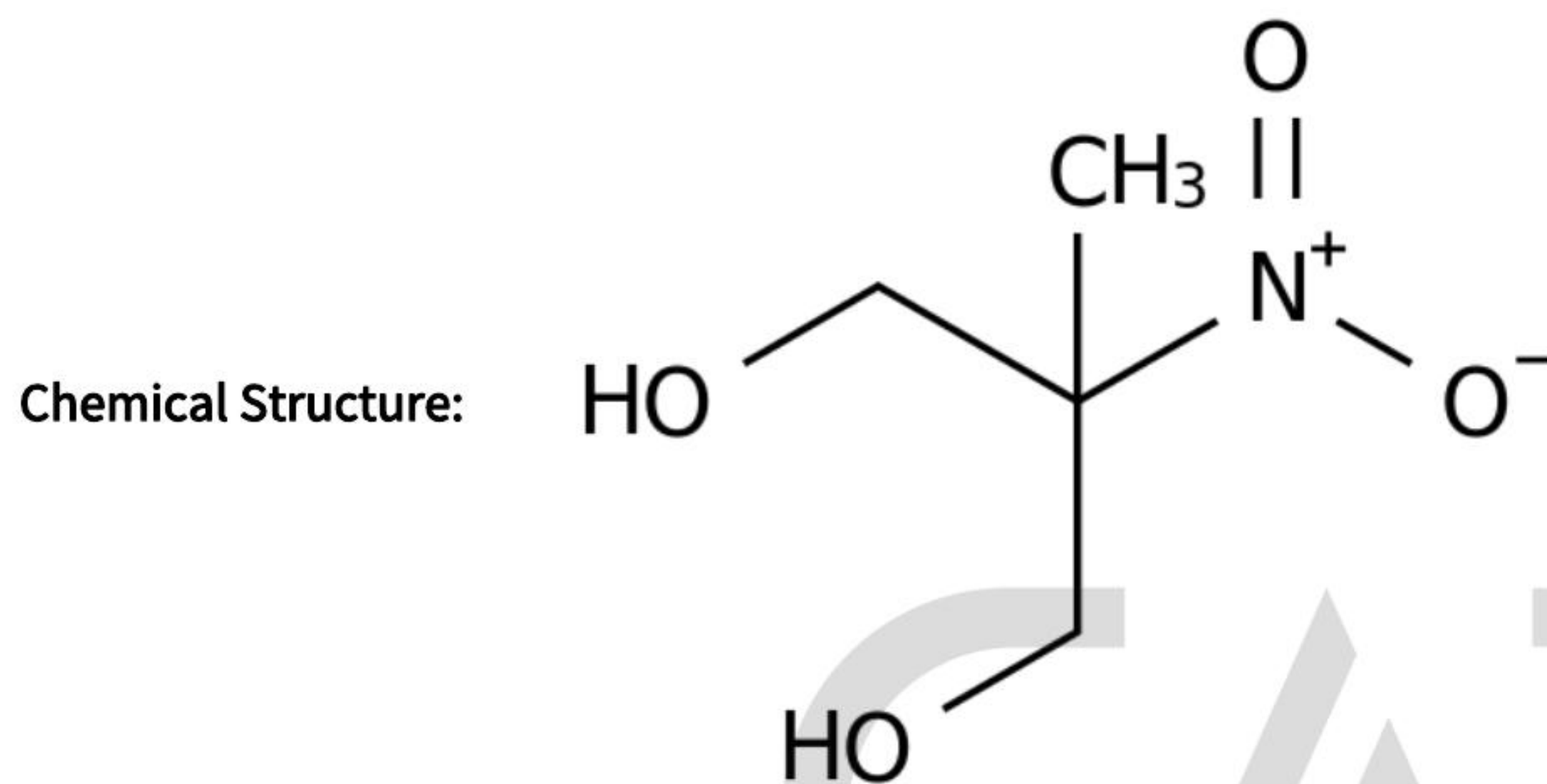


Certificate of Analysis

Reference Material

Product Name:	2-Methyl-2-nitro-1,3-propanediol	Catalogue Number:	CCHM704731
Chemical Name:	N/A	Lot Number:	0406-RD-0049
CAS Number:	77-49-6	Expiry Date:	Apr 20, 2026
Molecular Formula:	C ₄ H ₉ NO ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	135.12		



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	GCMS&HNMR	Confirmed
Purity	HPLC	95.8266%
Loss On Drying	TGA	0.0935%
Assay		95.7%
Uncertainty		±2.0%

Comment:

1. The calculation of the 100% method follows the formula:

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:

Delia

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Apr 21, 2022

Date: Apr 22, 2022

Date: Apr 22, 2022

