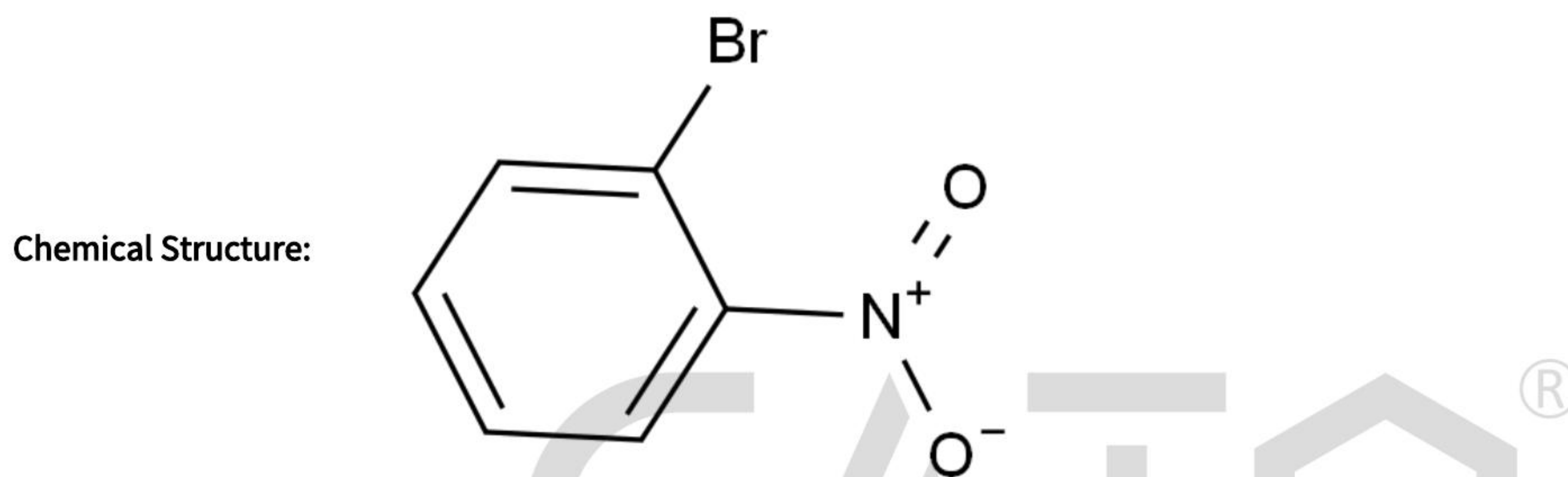


Certificate of Analysis

Reference Material

Product Name:	1-Bromo-2-Nitrobenzene	Catalogue Number:	CCPD100875
Chemical Name:	N/A	Lot Number:	1209-RA-0006
CAS Number:	577-19-5	Expiry Date:	Dec 28, 2026
Molecular Formula:	C ₆ H ₄ BrNO ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	202.01		



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Powder
Identification	GCMS&HNMR	Confirmed
Purity	HPLC	99.1539%
Water Content	Karl Fischer	0.49%
Assay		98.7%
Uncertainty		±2.0%

Comment:

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

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

Water Content 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:

Hinlam

Aporoved by General manager:

David

Date: Dec 29, 2022

Date: Dec 30, 2022

Date: Dec 30, 2022

