

Certificate of Analysis

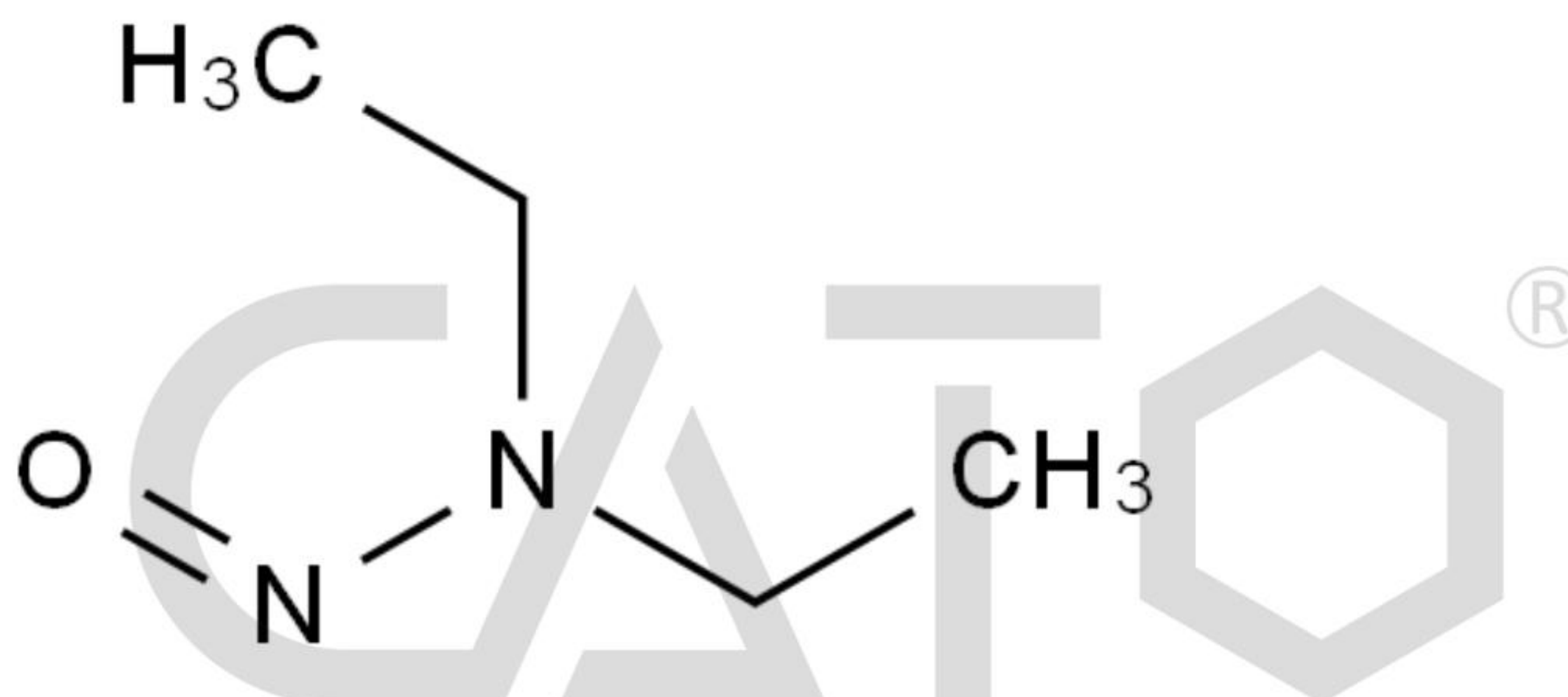
Reference Material & Standard

Product Name:	N-Nitroso Melphalan EP Impurity K	Catalogue Number:	C4X-140040
Synonyms:	N-Nitroso-Diethylamine	Lot Number:	0109-RH-0045
CAS Number:	55-18-5	Expiry Date:	Jan 13, 2030
Molecular Formula:	C ₄ H ₁₀ N ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	102.14	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	GC	100.0000%
Water Content	Karl Fischer	0.5176%
Assay		99.5%

Comment:

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

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

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

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Apr 03, 2026

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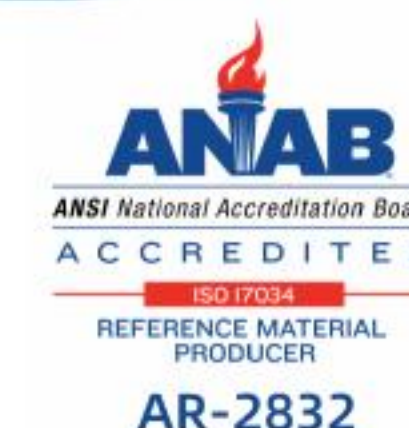
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