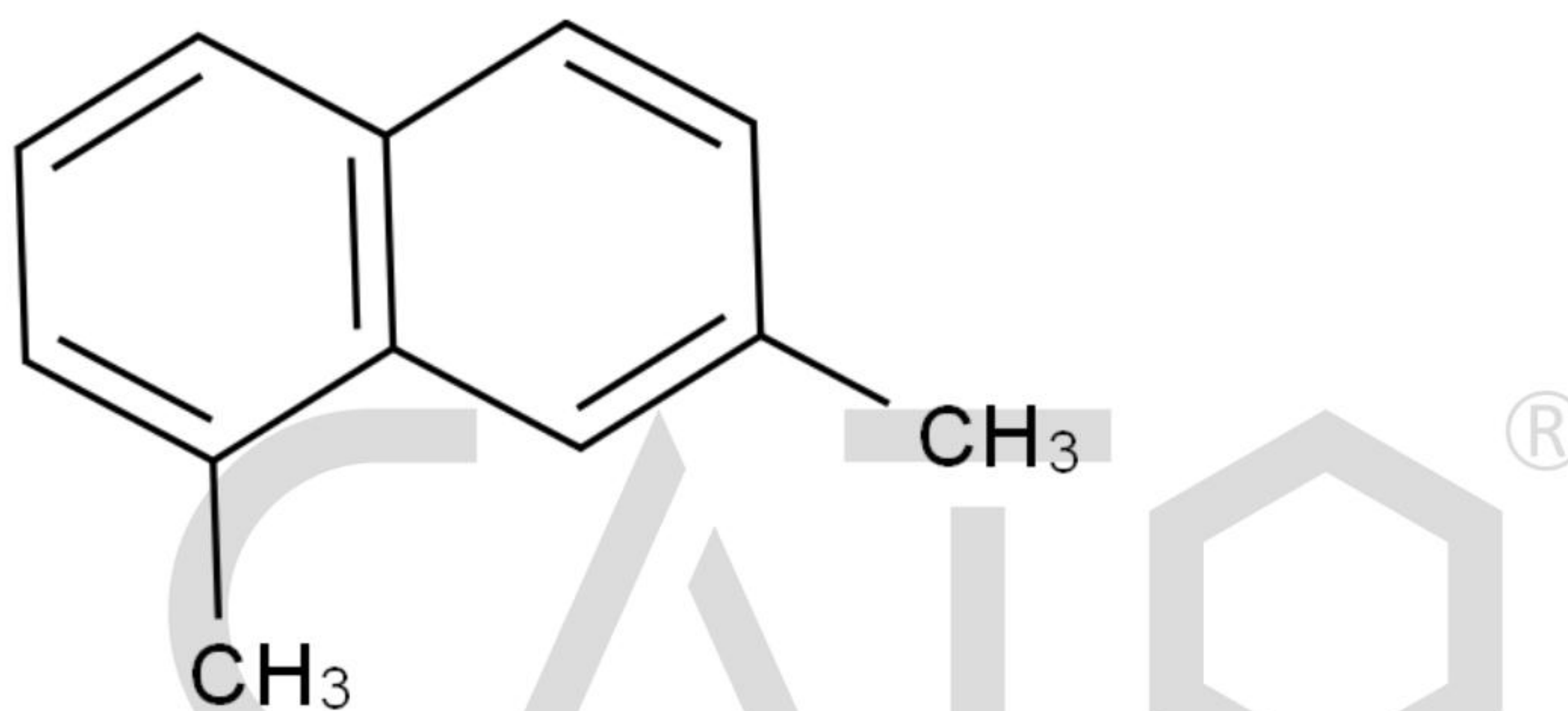


Certificate of Analysis

Reference Material & Standard

Product Name:	1,7-Dimethylnaphthalene	Catalogue Number:	CCET400010
Synonyms:	N/A	Lot Number:	1211-RE-0042
CAS Number:	575-37-1	Expiry Date:	Nov 02, 2027
Molecular Formula:	C ₁₂ H ₁₂	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	156.22		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Purity	GC	97.29%
Water Content	Karl Fischer	2.15%
Assay		95.2%
Uncertainty		±5.0%

Comment:

1. No chromatogram available.
2. The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity GC (\%)} / 100\%$$

Water Content is considered as absolute effect, GC 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:

Lisa

Reviewed by:

Hinlam

Aproved by General Manager:

David

Date: Dec 13, 2023

Date: Dec 14, 2023

Date: Dec 14, 2023

