

Certificate of Analysis

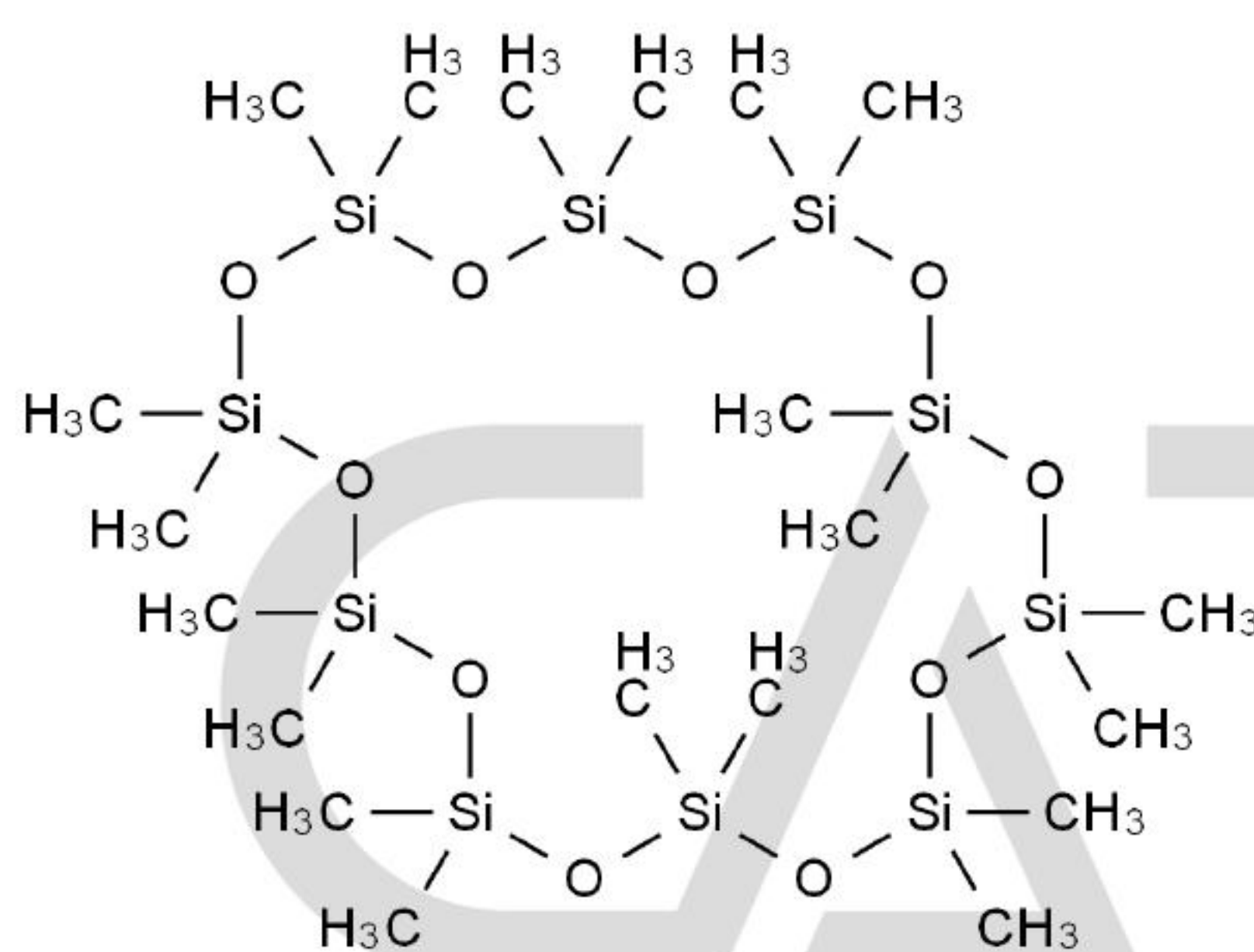
Reference Material & Standard

Product Name:	Eicosamethylcyclodecasiloxane	Catalogue Number:	CS257844
Synonyms:	N/A	Lot Number:	0622-RH-0050
CAS Number:	18772-36-6	Expiry Date:	Jun 02, 2030
Molecular Formula:	C ₂₀ H ₆₀ O ₁₀ Si ₁₀	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	741.54	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	LCMS&IR&HNMR	Confirmed
Purity	GC	81.8804%
Water Content	Karl Fischer	0.20%
Residual Solvents	NMR	1.0% n-hexane
Assay		80.9%
Uncertainty		±3.0%

Comment:

- The compound contains 15.9% Octadecamethylcyclononasiloxane (RT 7.22) according to its GC.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content} - \text{Residual Solvents}) * \text{Purity GC (\%)} / 100\%$$
 Water Content and Residual Solvents are considered as absolute effect, GC purity is considered as relative effect.
- 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.

Prepared by:

Lisa

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Jun 23, 2026

Date: Jun 24, 2026

Date: Jun 24, 2026

Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>