



CERTIFICATE OF ANALYSIS

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1. Identification

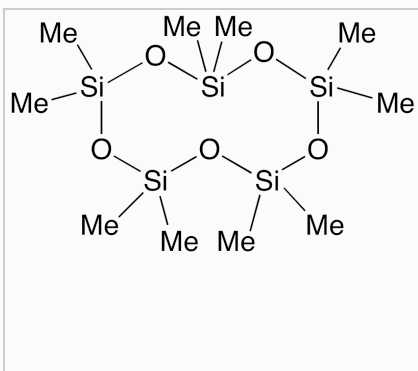
Catalogue Number: D212440

CAS Number: 541-02-6

Synonym: 2,2,4,4,6,6,8,8,10,10-Decamethylcyclopentasiloxane; Botanisil CP 33; Cyclic dimethylsiloxane Pentamer; Cyclo-decamethylpentasiloxane; Cyclomethicone Pentamer 245; Cyclomethicone 5; Cyclopentadimethylsiloxane; Cyclopentasiloxane; D5; DC 2-5252C; DC 245; DC 345 Fluid; Dow Corning 2-5252C; Dow Corning 245 Fluid; Dow Corning 345 Fluid; Dow Corning 345EU; Excol D 5; KF 995; LS 9000; Mirasil CM 5; NUC Silicone VS 7158; Pentacyclomethicone; SH 245; Silbione 70045V5; Silbione V 5; Silicon Plus a; Silic

Product: Decamethylcyclopentasiloxane

Structure:



Molecular Formula:

$C_{10}H_{30}O_5Si_5$

Molecular weight:

370.77

Source of Product:

N/A

Solubility:

Chloroform (Soluble),
Methanol (Slightly)

Lot Number: 1-CTZ-62-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

| Tests: | Specifications: | Results: |
|--------------------|-----------------------|----------------------|
| Elemental Analysis | Conforms | %C: 31.34, %H: 8.16 |
| GC | Report Result | 100.00% |
| MS | Conforms to Structure | Conforms |
| NMR | Conforms to Structure | Conforms |
| C NMR | Conforms to Structure | Conforms |
| Appearance | Colourless Oil | Clear Colourless Oil |
| FT-IR | Conforms to Structure | Conforms |
| Water Content | Report Result | 1.1% by Karl Fischer |

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

| Reviewed By | Reviewed By | C of A Approved By | Test Date | Retest Date |
|-------------|---------------|---------------------|-----------|-------------|
| Henry Tieu | Toni Rantanen | Christina Gouliaras | 8/19/2021 | 8/17/2025 |

