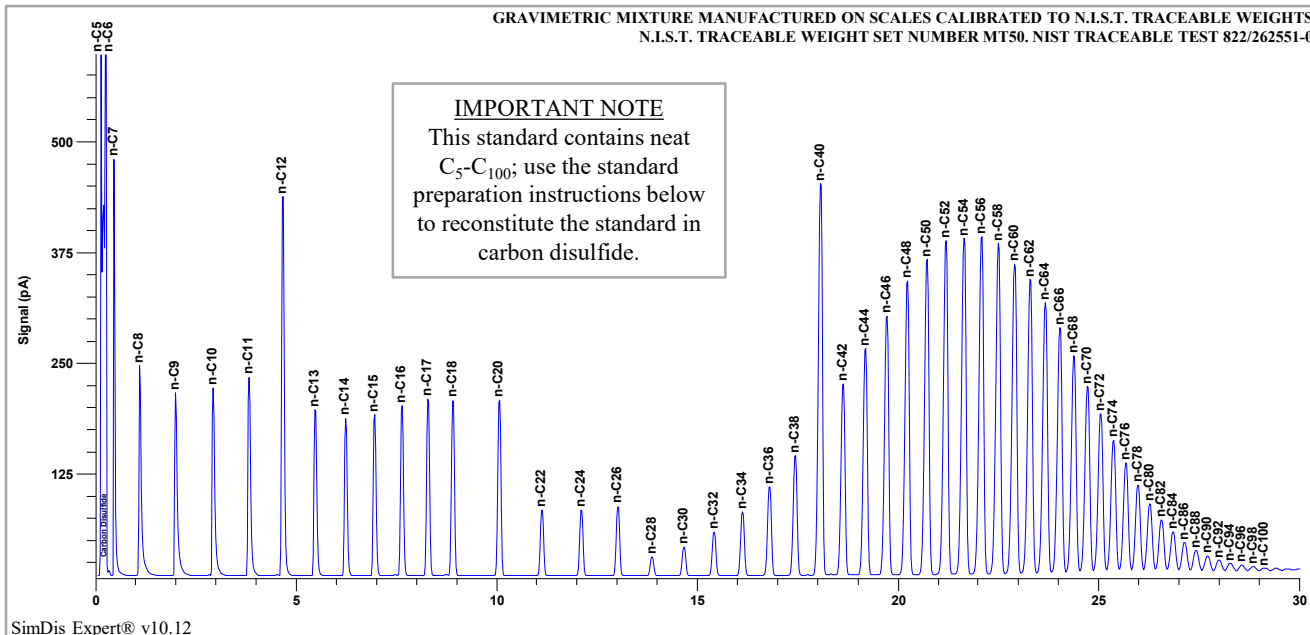


Certificate of Analysis

SD-SS3E-05-NS Lot # 062519ES

GRAVIMETRIC MIXTURE MANUFACTURED ON SCALES CALIBRATED TO N.I.S.T. TRACEABLE WEIGHTS
N.I.S.T. TRACEABLE WEIGHT SET NUMBER MT50. NIST TRACEABLE TEST 822/262551-0



SD-SS3E-05-NS Retention Time Standard for ASTM D7169

Lot #: 062519ES Exp: June 2024

Column: SD-002HTE2 (5m x 0.53mm x 0.1µm) **Inlet:** 35°C (0.5 min hold) to 425°C at 15°C/min **Carrier:** UHP He at 20 mL/min (constant flow)
Oven: -20°C (0.5 min hold) to 425°C at 15°C/min (5 min final hold) **Detector:** FID at 435°C **Injection Volume:** 0.1 µL

STANDARD PREPARATION INSTRUCTIONS

This standard is shipped free of solvent and needs to be reconstituted prior to use:

1. Keeping the vial sealed, inspect it for any physical damage; if damaged, please contact us.
2. Refrigerate the sealed vial in a freezer for about 5 minutes prior to reconstitution.
3. With the vial still cold, open it and add 7 mL of carbon disulfide (CS₂).
(Use caution since carbon disulfide is highly flammable and toxic).
4. Close the vial tightly, and carefully heat it upright in a GC oven at 60 °C for about 5 minutes.
(There is a significant risk of explosion/fire if the instructions are not followed exactly).
5. Remove the vial from the oven, and shake it vigorously to dissolve the contents.
6. If necessary, repeat the heating process until the standard is mostly dissolved.
7. Allow the standard solution to reach room temperature before attempting to open the vial.
8. Transfer about 1 mL of the solution into an auto-sampler vial, and seal it immediately.
9. Tightly close and refrigerate the remainder of the solution in the original amber vial for future use.

 **Separation Systems, Inc.**
Experts in Gas Chromatography

Phone 850-932-1433
Sales@SeparationSystems.com
www.SeparationSystems.com