



Agilent Technologies

Certificate of Analysis

PFTBA Sample Kit

Agilent Part Number: 05971-60571

Sample Lot Number: K113962

Storage Condition: Room Temperature

Concentration:

GCMS Grade Neat Material: Perfluorotributylamine CAS # 311-89-7 $(\text{CF}_3(\text{CF}_2)_3)_3\text{N}$

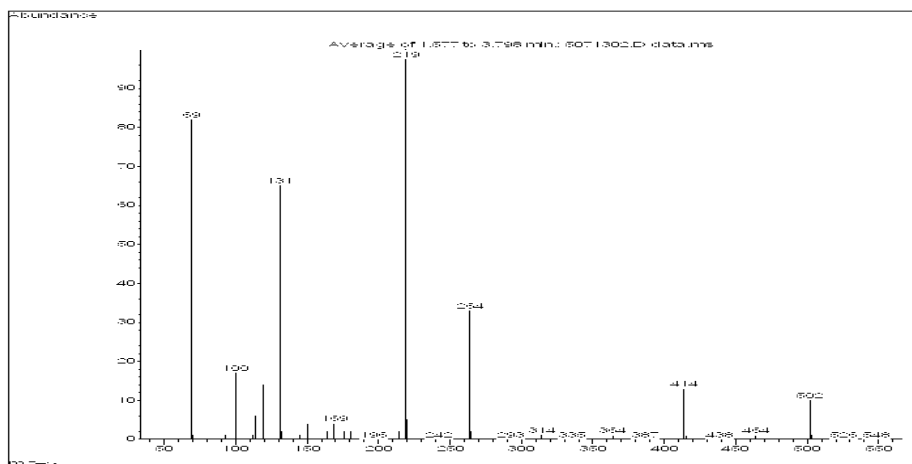
Identification:

Capillary GC/MS was used to determine the purity grade of perfluorotributylamine 99.80%
Suitable as MS calibration agent

Traceability:

This standard has been produced gravimetrically using ISO9001 quality procedures. Balances used are calibrated regularly and meet the requirements of ISO. High-resolution gas chromatography mass spectroscopy was used to verify the standard identity.

Analytical Spectrum or Chromatogram: Fragmentation Pattern



Conditions:

Column: 5% phenylmethylsilicone, 30 m x 0.25 mm x 0.25 μm

Oven: 40°C for 4 min, 35 °C /min to 120 °C, hold 4 min

Carrier: helium, 1.2 mL/min

Injection: 25 μL splitless injection of 2 hour room temperature headspace. Inlet at 200 °C

Det.: MS operated in electron-impact ionization mode at 70-eV scanning from 50 to 550 m/z

Date of Manufacture: 05 MAY 2015

Date of Expiration: 05 MAY 2017