

**Certificate of Analysis****PFTBA Sample Kit****Agilent Part  
Number:****05971-60571****Sample Lot  
Number:****K118249****Concentration:**GCMS grade Neat Material: Perfluorotributylamine CAS # 311-89-7 (CF<sub>3</sub>(CF<sub>2</sub>)<sub>3</sub>)<sub>3</sub>N**Identification:**

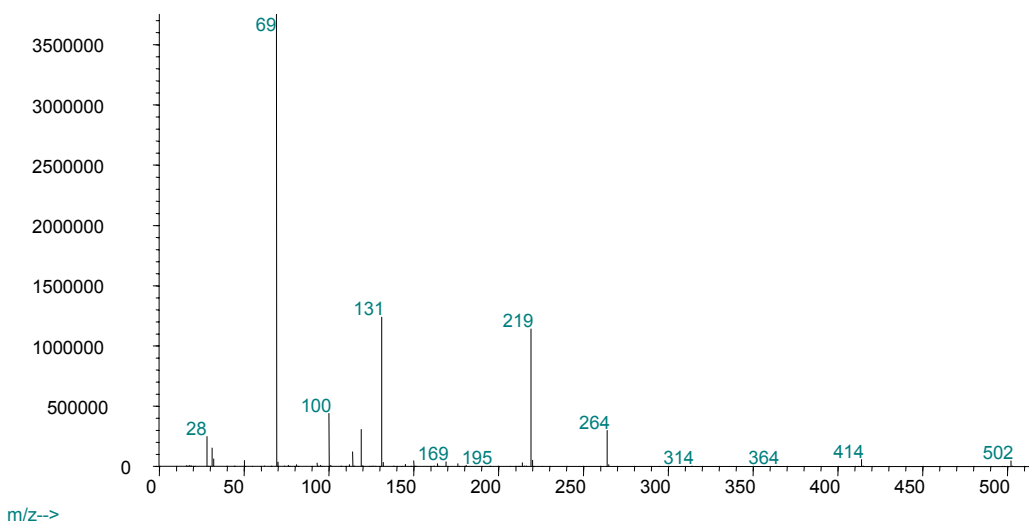
Capillary GC/MS was used to determine the purity grade of perfluorotributylamine, 99.9%

**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**

Abundance



**Conditions:**

Column: 5% phenylmethylsilicone, 30m x .25mm x .25um

Oven: 40C (4 min) to 300C at 8 degrees/minute, hold 15 minutes

Carrier: helium, 1ml/min

Det.: MS

**Date of Release: 20 February 2004**

**Date of Expiration: 19 February 2006**

A handwritten signature in black ink, appearing to read "Elwood Doughty". The signature is fluid and cursive, with a long horizontal stroke at the end.

Elwood Doughty  
QA Manager  
Supelco, Inc.