



## Certificate of Analysis

### API-TOF Reference Mass Solution Kit

**Agilent Part Number:** G1969-85001    **Sample Lot Number:** LB25990

**This kit contains two ampoules each (2.2 ml/ampoule) of the following solutions:**

- 5.0 mM Purine
- 100.0 mM Ammonium Trifluoroacetate
- 2.5 mM Hexakis(1H, 1H, 3H-tetrafluoropropoxy)phosphazine

#### Concentration (weight to volume) and Purity/Grades:

Neat Material	Gravimetric Conc.	Neat material Purity and/or Grade
Purine (CAS NO.: 120-73-0)	< 0.01% (+/- 5.0%)	98.00%

**Solvent Composition:**

Acetonitrile (CAS NO.: 75-05-8)	90.0%	HPLC grade 99.9%
DI Water (CAS NO.: 7732-18-5)	10.0%	De-ionized

Neat Material	Gravimetric Conc.	Neat material Purity and/or Grade
Trifluoroacetic acid ammonium salt (CAS NO.: 3336-58-1)	< 0.01% (+/- 1.3%)	99.30%

**Solvent Composition:**

Acetonitrile (CAS NO.: 75-05-8)	90.0%	HPLC grade 99.9%
DI Water (CAS NO.: 7732-18-5)	10.0%	De-ionized

Neat Material	Gravimetric Conc.	Neat material Purity and/or Grade
hexakis(1H, 1H, 3H-tetrafluoropropoxy)phosphazine (CAS NO.: 58943-98-9)	< 0.01% (+/- 2.0%)	97.50%

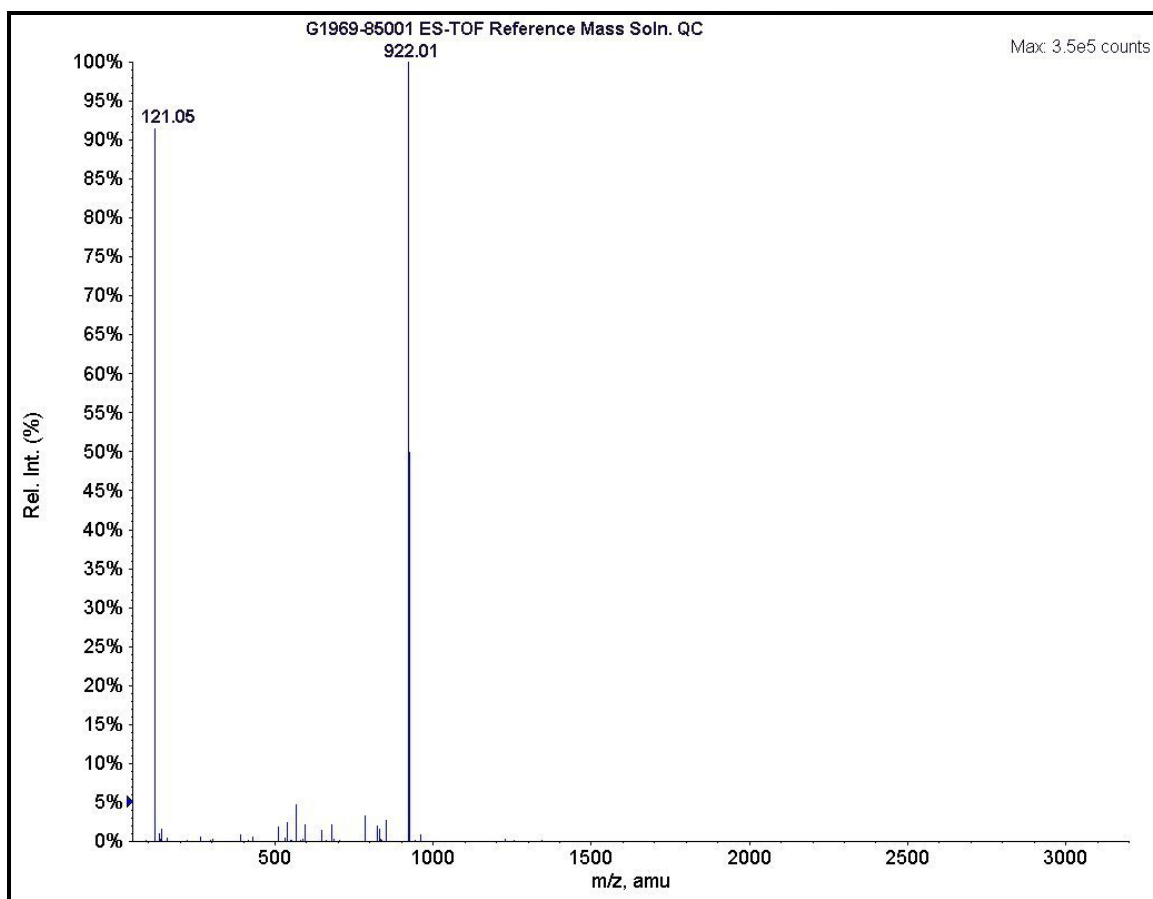
**Solvent Composition:**

Acetonitrile (CAS NO.: 75-05-8)	100.0%	HPLC grade 99.9%
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## Traceability:

This standard has been produced gravimetrically using ISO9001 quality procedures. Balances used are calibrated regularly and meet the requirements of ISO. ES-Mass spectrometry was used to evaluate this multi-standard solution.

## G1969-85001 API-TOF SPECTRA



Sample: G1969-85001

Dilution: 125  $\mu$ M TFANH<sub>4</sub>, 5 $\mu$ M Purine, 1.25  $\mu$ M HP-0921 in 95:5 Acetonitrile:Water

Instrument: Agilent G1969A API-TOF MS

Mode:ES

Polarity: Positive ion mode

CDS infusion rate: 0.05 ml/min

Vcap: -4 kV

Fragmentor: 150 V

Nebulizer pressure : 20 psig

Drying gas flow : 6 L/min

Drying gas temperature : 300 °C

MCP : 650 V

PMT : 703 V

Scan range: m/z 50-3200

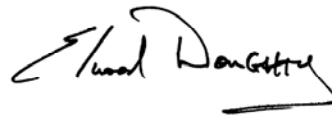
Transients : 10,000

Flight tube: -6.5 kV

Oct. RF : 250 V pk

**Date of Manufacture:** 13 December 2004

**Date of Expiration:** 13 December 2005

A handwritten signature in black ink, appearing to read "Elwood Doughty". The signature is stylized with a large initial 'E' and a long horizontal stroke at the end.

Elwood Doughty  
QA Manager  
Supelco, Inc.