Agilent Technologies

SUPELCO

CERTIFICATE OF ANALYSIS

APCI CALIBRANT SOLUTION

Agilent Part Number: G2422A Sample Lot Number: A201569

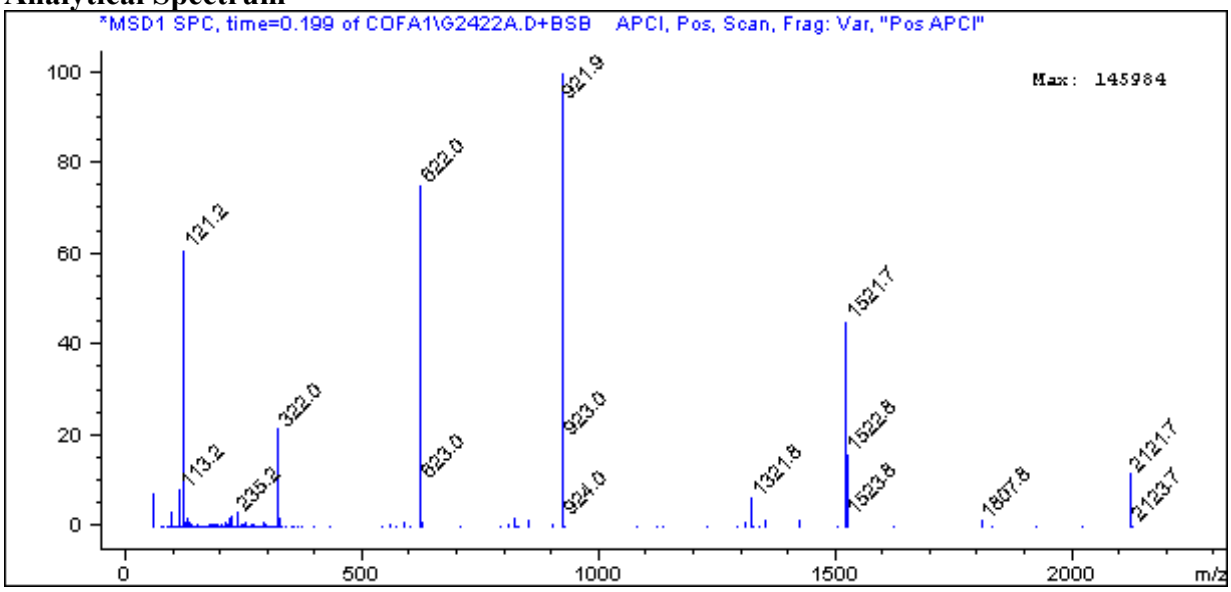
Concentration (weight to weight) and Purity/Grades

Neat Material	Gravimetric Conc. mg/kg	Neat Material Purity and/or Grade
Purine (CAS NO: 120-73-0)	7.480 (+/-0.05%)	98.00%
Hexamethoxyphosphazene (CAS NO: 957-13-1)	2.001 (+/- 0.05%)	99.10%
Hexakis(2,2-Difluoroethoxy)Phosphazene (CAS NO: 186817-57-2)	7.740(+/- 0.05%)	98.50%
Hexakis(1H, 1H, 3H-Tetrafluoropropoxy)Phosphazene (CAS NO: 58943-98-9)	13.776 (+/- 0.05%)	97.40%
Hexakis(1H, 1H, 5H-Octafluoropentoxy)Phosphazene (CAS NO: 16059-16-8)	18.958 (+/- 0.05%)	98.00%
Hexakis(1H, 1H, 7H-Dodecafluoroheptoxy)Phosphazene (CAS NO: 3830-74-8)	39.660(+/- 0.05%)	99.00%

Solvent Composition:	Conc.: kg/kg	Grade
Acetonitrile (CAS NO: 75-05-8)	0.784 (+/- 0.05%)	HPLC grade 99.9%
Methanol (CAS NO: 67-56-1)	0.148 (+/- 0.05%)	Capillary High Resolution grade 99.9%
DI Water (CAS NO: 7732-18-5)	0.050 (+/- 0.05%)	De-ionized
Chloroform (CAS NO: 67-66-3)	0.018 (+/- 0.05%)	Capillary High Resolution grade 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 liquid chromatography mass spectroscopy was used to verify the standard identity.

Analytical Spectrum



Agilent 1100 Series LC system:
G1354A Quaternary Pump (incl. degasser)
G1313A automatic Liquid Sampler (ALS)

Agilent 1100 Series LC/MSD:
G1946D LC/MSD SL
G1948A API-Electrospray source
G1947A APCI source

G2422A APCI Tuning Calibrant

Column: None
Column Temp: N/A
Flow Rate: 0.8ml/min
Mobile Phase: 75:25 Acetonitrile/Water
Ionization Mode: Positive APCI
Nebulizer Pressure: 50 psi

Drying Gas Flow: 6 L/min
Drying Gas Temp: 350 deg C
Vaporizer Temp: 425 deg C
Corona current: 4 mA
Scan Range: 50-3000
Step Size: 0.15amu

Manufacture Date: 11 December 2001
Expiration Date: 11 December 2003

Elwood Doughty

QA Manager
Supelco, Inc.