



CERTIFICATE OF ANALYSIS

ESI Tuning Mix (for Ion Trap) 100ml

Agilent Part Number: G2431A/G2431-60001 Sample Lot Number: A967794

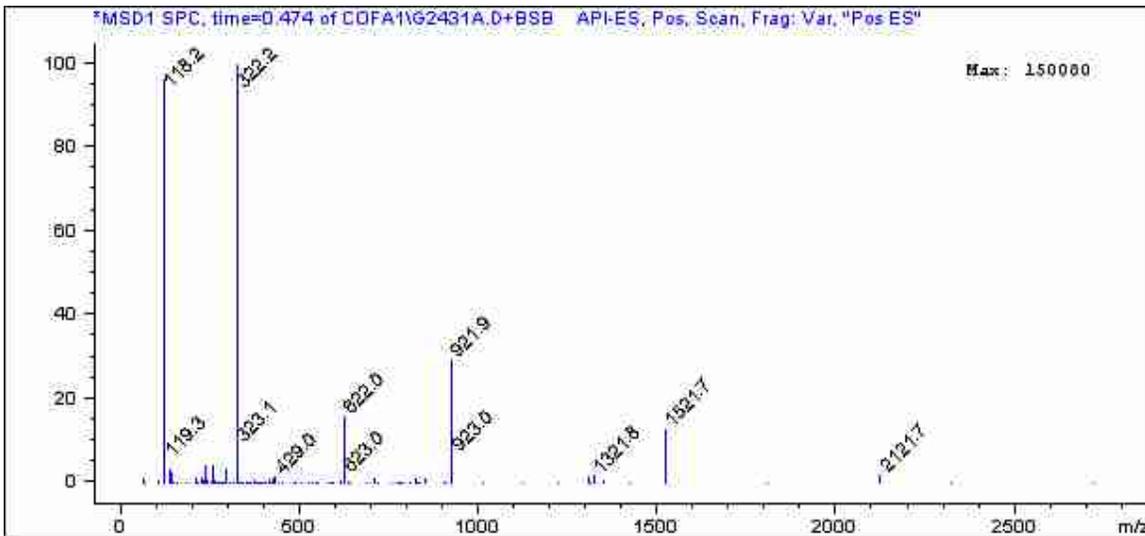
Concentration (weight to weight) and Purity/Grades

Neat Material	Gravimetric Conc. mg/kg	Neat Material Purity and/or Grade
Hexamethoxyphosphazene (CAS NO: 95713-1)	0.602	99.90%
Hexakis(2,2-Difluoroethoxy)Phosphazene (CAS NO: 18681757-2)	5.854	99.90%
Hexakis(1H, 1H, 3H-Tetrafluoropropoxy)Phosphazene (CAS NO: 5894398-9)	23.095	97.00%
Hexakis(1H, 1H, 5H-Octafluoropentoxy)Phosphazene (CAS NO: 1605916-8)	38.153	99.90%
Hexakis(1H, 1H, 7H-Dodecafluoroheptoxy)Phosphazene (CAS NO: 383074-8)	53.230	99.00%
Hexakis(1H, 1H, 9H-Perfluorononyloxy)Phosphazene (CAS.: 18604367-4)	68.281	99.00%
Tris(Heptafluoropropyl)-S-Triazine (CAS.: 915-76-4)	5.509	99.10%
Betaine (CAS.: 107-43-7)	5.891	99.80%
Trifluoroacetic Acid, Ammonium Salt(CAS.: 3336-58-1)	328.909	99.00%
Solvent Composition:	kg/kg	Grade/Purity
Acetonitrile (CAS NO: 75-05-8)	93.7%	HPLC grade 99.9%
DI Water (CAS NO: 7732-18-5)	6.3%	De-ionized

Traceability:

This standard has been produced gravimetrically using ISO9001 quality procedures. NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. 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

G2431A Electrospray Tuning Mix for Esquire LC
Column: None
Column Temp: N/A
Scan Range: 50-3000
Mobile Phase: 90:10 Acetonitrile/Water
Ionization Mode: Positive Electrospray

Drying Gas Flow: 10 L/min
Drying Gas Temp: 350 deg C
Step Size: 0.15amu
Nebulizer Pressure: 40 psi

Manufacture Date: 04 JUNE 2009
Expiration Date: 04 JUNE 2011

Elwood Doughty

QA Manager
Supelco, Inc.