



Agilent Technologies

Certificate of Analysis

APCI/APPI Tuning Mix

Agilent Part Number: G2432A

Sample Lot Number: CT-1094

Concentration (weight to weight) and Purity/Grades

Neat Material	Gravimetric Conc. mg/g	Neat Material Purity and/or Grade
Purine (CAS NO: 120-73-0)	0.008	99.9%
Hexamethoxyphosphazene (CAS NO: 957-13-1)	0.002	99.0%
Hexakis (2, 2-Difluoroethoxy) Phosphazene (CAS NO: 186817-57-2)	0.008	99.0%
Hexakis (1H, 1H, 3H-Tetrafluoropropoxy) Phosphazene (CAS NO: 58943-98-9)	0.014	99.0%
Hexakis (1H, 1H, 5H-Octafluoropentoxy) Phosphazene (CAS NO: 16059-16-8)	0.020	97.0%
Hexakis (1H, 1H, 7H-Dodecafluoroheptoxy) Phosphazene (CAS NO: 3830-74-8)	0.042	99.0%

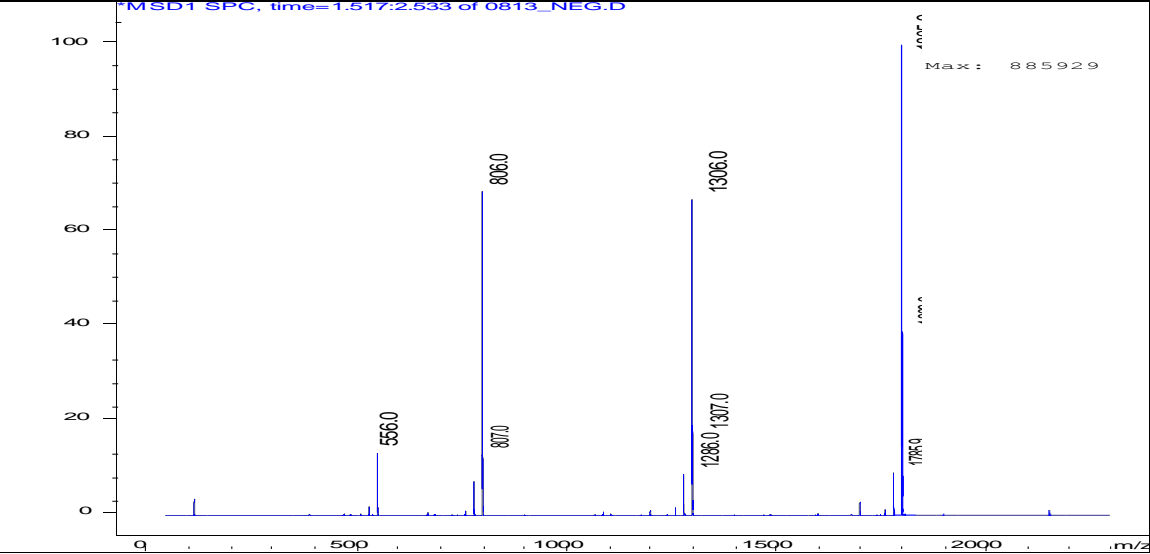
Solvent Composition:	Percentage	Grade
Acetonitrile (CAS NO: 75-05-8)	74.0	HPLC grade 99.9%
Methanol (CAS NO: 67-56-1)	15.0	HPLC grade 99.9%
Chloroform (CAS NO: 67-66-3)	1.8	HPLC grade 99.9%
Acetone (CAS NO: 67-64-1)	4.0	HPLC grade 99.9%
DI Water (CAS NO: 7732-18-5)	5.2	De-ionized

Traceability:

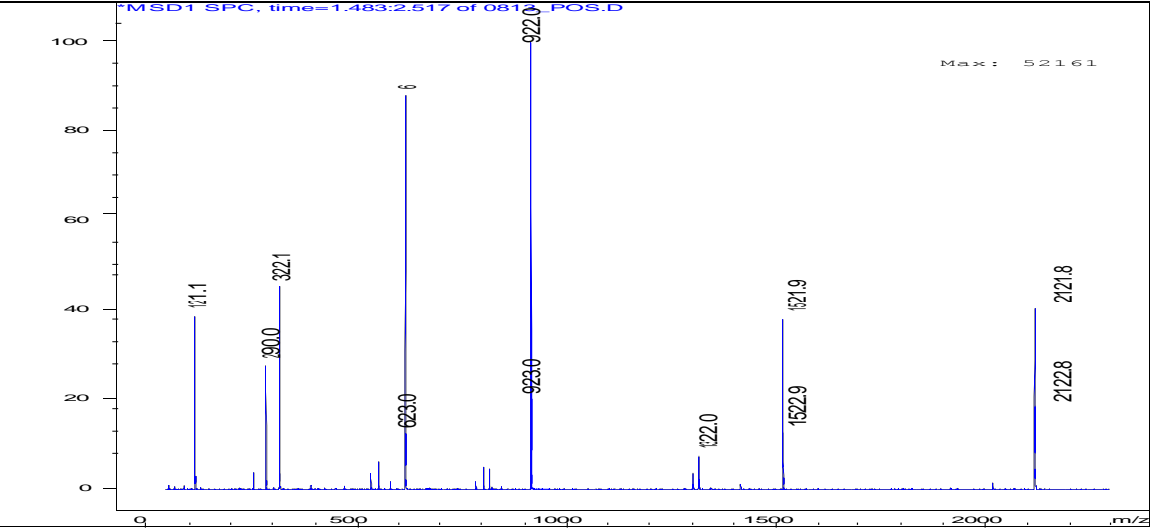
This standard has been produced gravimetrically using ISO9001 quality procedures. NIST traceable weights are used to verify balance calibration with the preparation of each lot. Concentration of analyte in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware. High-performance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

Analytical Spectrum:

Negative Scan



Positive Scan



Conditions:

Agilent 1100 Series LC/MSD
G1946D LC/MSD SL
G1971A APPI source

G2432A APCI Tuning Calibrant, Positive mode

Column: none
Column Temp: N/A
Flow Rate: 0.1 ml/min (infusion)
Mobile Phase: 85% Acetonitrile, 10% Water, 5% Acetone (neat calibrant)
Ionization mode: Positive APPI
Nebulizer Pressure: 15 psi
Drying Gas Flow: 6 L/min
Drying Gas Temp: 350 deg C
Vaporizer Temp: 350 deg C
Corona current: 4 mA
Scan Range: 50-3000
Step size: 0.10 amu

G2432A APCI Tuning Calibrant, Negative mode

Column: None
Column Temp:: N/A
Flow Rate: 0.1 ml/min (infusion)
Mobile Phase: 85% Acetonitrile, 10% Water, 5% Acetone
Ionization mode: Negative APPI
Nebulizer Pressure: 15 psi
Drying Gas Flow: 6 L/min
Drying Gas Temp: 350 deg C
Vaporizer Temp: 350 deg C
Corona Current: 4 mA
Scan Range: 50-3000
Step Size: 0.10 amu

Storage Condition: Store at Room Temperature (15° to 30°C)

Date of release: 18 March 2019

Date of expiration: 30 April 2021



Monica Bourgeois
QMS Representative