

Certificate of Analysis

ES/APCI Positive Ion Performance Standard

Agilent Part Number: G1946-85004 Sample Lot Number: A302548

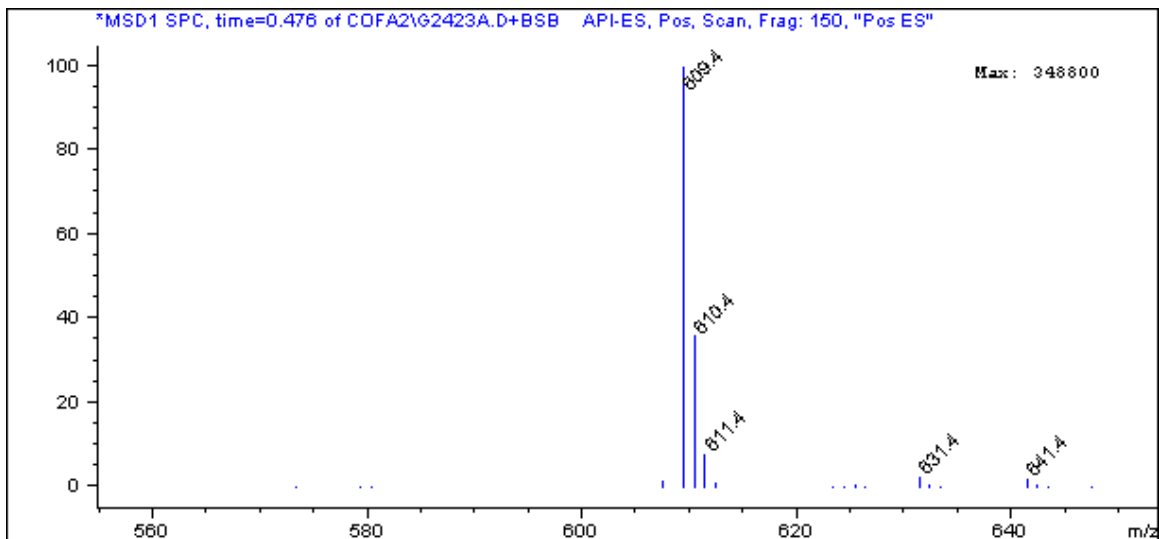
Concentration (weight to volume) and Purity/Grades

Neat Material	Gravimetric Concentration	Neat Material Purity and/or Grade
Reserpine (CAS NO: 50-55-5)	5ug/ml	99.0%
Solvent composition:		
DI Water (CAS NO: 7732-18-5)	50%	De-ionized
2-Propanol (CAS NO: 67-63-0)	50%	HPLC grade 99.9%

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:



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

G2423A ES/APCI Positive Mode Verification Sample (Reserpine)

Column: None
Column Temp: N/A
Flow Rate: 0.4ml/min
Mobile Phase: 75:25 Acetonitrile/Water
Ionization Mode: Positive Electrospray
Nebulizer Pressure: 40 psi
Drying Gas Flow: 10L/min
Drying Gas Temp: 350 deg C
Scan Range: 50-650
Step Size: 0.10amu

Manufacture Date: 21 AUGUST 2013

Expiration Date: 21 AUGUST 2015

Duane Funk

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Quality Manager
Supelco, Inc.