Agilent Technologies

SUPELCO

Certificate of Analysis

Sinapinic Acid

Agilent Part Number: G2038A Sample Lot Number: 5504002

Concentration (weight to volume) and Purity/Grades

Neat Material	Gravimetric Concentration	Neat Material Purity and or Grade
Sinapinic Acid (CAS NO: 530-59-6)	22.4 mg/ml (+/- 1.3%)	98.8%

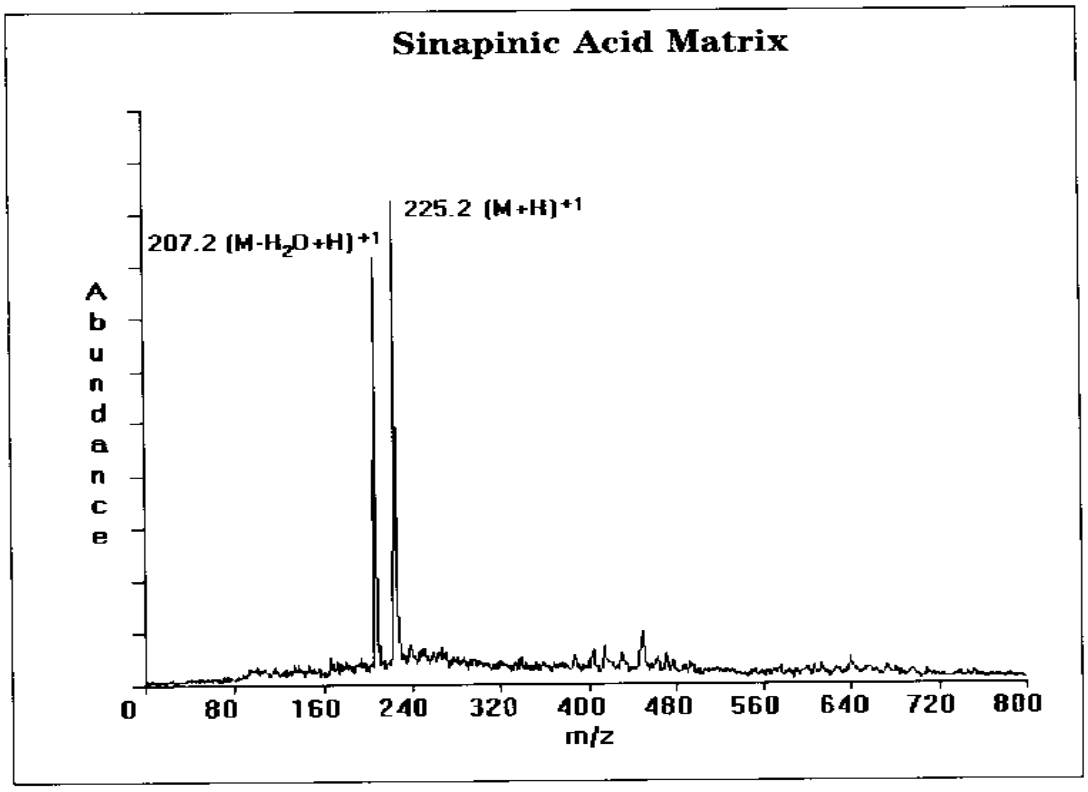
Solvent composition:

DI Water (CAS NO: 7732-18-5)	8.0% (+/- 0.3 ml)	De-ionized
Methanol (CAS NO: 67-56-1)	36.0% (+/- 0.3 ml)	Capillary High Resolution Grade 99.9%
Acetonitrile (CAS NO.: 75-05-8)	56.0% (+/- 0.3 ml)	HPLC 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-performance liquid chromatography mass spectroscopy was used to evaluate system performance.

Analytical Spectrum:



Matrix Solution Properties

Composition: 100mM solution of 3,5-dimethoxy-4-hydroxycinnamic acid (predominantly trans) in acetonitrile/methanol/water
Formula weight: 224.21 ($C_{11}H_{12}O_5$)
pH: 3.70
Recommended excitation wavelength: 300-350nm
Typical laser fluence (337 nm, N_2 laser): ~4.5 mJoule/cm^2

Manufacture Date: 18- April-2002
Expiration Date: 18-October-2003

Elwood Doughty
QA Manager
Supelco, Inc.