

Certificate of Analysis

SCD Sample

Agilent Part Number: G2933-85001 Sample Lot Number: LB97845

This is a test mix for Sulfur Chemiluminescence Detectors (SCD).

Below is a list of the purity and/or grade of the components that are included in the mix.

Neat Material	Neat material Purity and/or Grade
Dimethylsulfide (CAS NO.: 75-18-3)	minimum purity 99.5% GC
Ethyl methyl sulfide (CAS NO.: 624-89-5)	minimum purity 99.0% GC
Thiophene (CAS NO.: 110-02-1)	minimum purity 99.0% GC
Solvent Composition:	
Toluene (CAS NO.: 108-88-3)	100% HPLC Grade

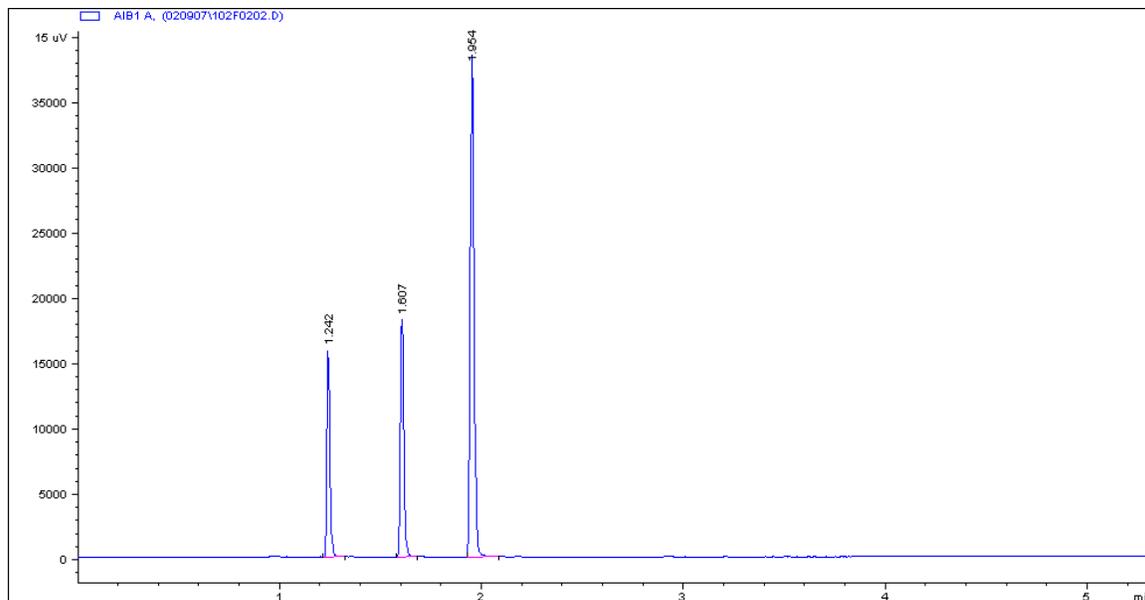
Traceability:

These standards have been produced gravimetrically (weight to volume) using ISO9001 quality procedures. Balances used are calibrated regularly and meet the requirements of ISO. Concentration of analytes in solution is ug/ml +/- 0.5%, uncertainty based upon balance and Class A volumetric glassware.

Analytical concentration is +/- 10.0% of the stated concentration.

Component	Weight Concentration (mg/L)
Dimethylsulfide	11.36
Ethyl methyl sulfide	19.04
Thiophene	48.80

Analytical Spectrum :



Operating Parameters:

Model 355 SCD operated according to standard conditions (attenuation = 1);
Agilent Model 6890N GC;
Column : 30m x 0.32mm x 1.0um DB-1
Oven: 65 °C for 1 minute; 15 °C/min to 130°C
12 psi head-pressure
1 uL injection size, split 1:50

Date of Manufacture: 15 JANUARY 2013

Date of Expiration: 15 JANUARY 2014

Duane Funk
Quality Manager
Supelco, Inc