

## STANDARD CONTENTS FORM

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(Consult the Quality Manager if weight decrease between use exceeds 0.001g)

[illegible]

# Certificate of Analysis

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DESCRIPTION: 625 Semivolatile Calibration Mix

CATALOG NO.: 506559

MFG DATE: Jan-2005

LOT NO.: LB26967

EXPIRATION DATE: Jun-2007

SOLVENT: METHYLENE CHLORIDE:BENZENE 3:1

ANALYTE (1)	CAS NUMBER	PERCENT PURITY (2)	WEIGHT (3) CONCENTRATION	ANALYTICAL (4)	STD DEV	SUPELCO LOT NO
ACENAPHTHENE	83-32-9	99.8	1000	1024	+/- 0.8	LB00490
ACENAPHTHYLENE	208-96-8	99.9	1000	1024	+/- 0.8	LB07910
ANTHRACENE	120-12-7	99.8	1000	1026	+/- 2.3	LB14401
AZOBENZENE	103-33-3	99.9	1000	1020	+/- 3.1	LB22303
BENZO (A) ANTHRACENE	56-55-3	99.9 (a)	1000	1013	+/- 5.0	LB15483
BENZO (A) PYRENE	50-32-8	97.3 (a)	1000	1017	+/- 1.9	LB04438
BENZO (B) FLUORANTHENE	205-99-2	99.9	1000	1027	+/- 1.9	LA94245
BENZO (G,H,I) PERYLENE	191-24-2	99.7	1000	1017	+/- 2.9	LB00514
BENZO (K) FLUORANTHENE	207-08-9	99.7	1000	1029	+/- 0.9	LA96760
BIS (2-CHLOROETHOXY) METHANE	111-91-1	98.9	1000	1029	+/- 7.3	LB04284
BIS (2-CHLOROETHYL) ETHER	111-44-4	99.9	1000	1027	+/- 6.7	LA40156
BIS (2-CHLOROISOPROPYL) ETHER	108-60-1	99.9	1000	1031	+/- 9.6	LB16240
BIS (2-ETHYLHEXYL) PHTHALATE	117-81-7	99.7	1000	1012	+/- 6.2	LB01690
BUTYL BENZYL PHTHALATE	85-68-7	99.3	1000	1010	+/- 5.7	LA42160
CARBAZOLE	86-74-8	96.1	1000	1007	+/- 3.7	LA32483
CHRYSENE	218-01-9	98.7	1000	1015	+/- 6.5	LB16376
DI-N-BUTYL PHTHALATE	84-74-2	99.9	1000	1014	+/- 4.2	LB02855
DI-N-OCTYL PHTHALATE	117-84-0	99.8	1000	992	+/- 7.4	LB10712
DIBENZ (A,H) ANTHRACENE	53-70-3	99.6	1000	1020	+/- 2.9	LB07166
DIETHYL PHTHALATE	84-66-2	99.9	1000	1025	+/- 4.5	LA86865
DIMETHYL PHTHALATE	131-11-3	99.9	1000	1025	+/- 1.6	LB12913
FLUORANTHENE	206-44-0	98.2	1000	1012	+/- 3.8	LA88185
FLUORENE (5)	86-73-7	98.6	1000	*****		LB04916
HEXACHLOROBENZENE	118-74-1	99.9	1000	1016	+/- 2.0	LB09543
HEXACHLOROBUTADIENE	87-68-3	98.5	1000	1022	+/- 8.7	LA95300
HEXACHLOROCYCLOPENTADIENE	77-47-4	98.7	1000	1004	+/- 17.4	LB07002
HEXACHLOROETHANE	67-72-1	97.5	1000	1020	+/- 6.7	LA38465

(1) Listed in alphabetical order.

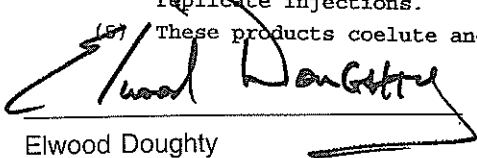
(2) Determined by capillary GC-FID, unless otherwise noted.

a) HPLC UV-254NM

(3) 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. Weights are corrected for analytes less than 98% pure.

(4) Determined by chromatographic analysis against an independently prepared reference lot. Mean of replicate injections.

(5) These products coelute and are not quantified in the final mix.

  
Elwood Doughty  
Quality Control Supervisor

Supelco warrants that its products conform to the information contained in this publication. Purchaser must determine the suitability of the product for its particular use. Please see the latest catalog or order invoice and packing slip for additional terms and conditions of sale.

**SUPELCO**  
595 North Harrison Road  
Bellefonte, PA 16823-0048 USA  
Phone (814) 359-3441

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INDENO (1,2,3-CD) PYRENE	193-39-5	99.9	1000	1019	+/- 1.9	LB07167
ISOPHORONE	78-59-1	98.8	1000	1024	+/- 7.4	LA38837
N-NITROSODI-N-PROPYLAMINE	621-64-7	99.9	1000	1034	+/- 5.2	LB26515
N-NITROSODIMETHYLAMINE	62-75-9	99.9	1000	1027	+/- 0.1	LB06990
NAPHTHALENE	91-20-3	99.9	1000	1026	+/- 5.5	LA97766
NITROBENZENE	98-95-3	99.9	1000	1024	+/- 6.1	LA39293
PENTACHLOROPHENOL	87-86-5	98.3	1000	1034	+/- 5.7	LB01443
PHENANTHRENE	85-01-8	99.9	1000	1017	+/- 1.5	LB04592
PHENOL	108-95-2	99.9	1000	1029	+/- 5.1	LB10693
PYRENE	129-00-0	98.0	1000	1013	+/- 4.4	LA74472
1,2-DICHLOROBENZENE	95-50-1	99.9	1000	1022	+/- 6.8	LA96474
1,2,4-TRICHLOROBENZENE	120-82-1	98.6	1000	1027	+/- 8.3	LB12944
1,3-DICHLOROBENZENE	541-73-1	99.9	1000	1022	+/- 5.1	LA72024
1,4-DICHLOROBENZENE	106-46-7	99.9	1000	1022	+/- 6.8	LA50188
2-CHLORONAPHTHALENE	91-58-7	99.9	1000	1022	+/- 2.1	LA94720
2-CHLOROPHENOL	95-57-8	99.6	1000	1027	+/- 6.9	LB00978
2-METHYL-4,6-DINITROPHENOL	534-52-1	99.9	1000	1010	+/- 5.1	LA38569
2-NITROPHENOL	88-75-5	99.9	1000	1029	+/- 14.5	LA46582
2,4-DICHLOROPHENOL	120-83-2	99.2	1000	1042	+/- 8.9	LB03978
2,4-DIMETHYLPHENOL	105-67-9	98.0	1000	1018	+/- 3.6	LA39027
2,4-DINITROPHENOL	51-28-5	99.9	1000	1065	+/- 26.6	LA36836
2,4-DINITROTOLUENE	121-14-2	99.3	1000	1015	+/- 3.7	LA39290
2,4,6-TRICHLOROPHENOL	88-06-2	99.2	1000	1035	+/- 5.4	LB09687
2,6-DINITROTOLUENE	606-20-2	99.9	1000	1019	+/- 1.9	LA77895
4-BROMOPHENYLPHENYL ETHER	101-55-3	98.9	1000	1016	+/- 1.0	LA74471
4-CHLORO-3-METHYLPHENOL	59-50-7	99.9	1000	1032	+/- 6.3	LB16975
4-CHLOROPHENYLPHENYL ETHER (5)	7005-72-3	99.9	1000	*****		LB21374

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4-NITROPHENOL		100-02-7	99.9	1000	1038	+/- 4.0	LA38952

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  - a) HPLC UV-254NM
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