Agilent CrossLab
From Insight to Outcome

Pesticide, PAH, and Lipid Standards

Your essential resource for Agilent ULTRA chemical standards









Agilent

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About Agilent standards

Agilent is a global leader in chromatography and spectroscopy, as well as an expert in chemical standards manufacturing. Agilent offers certified reference materials, QC standards, reagents, and buffers to complement our extensive line of instruments, columns, sample preparation products, consumables, and services. Our portfolio provides laboratories with full workflow solutions for efficient, accurate results.

Agilent has an extensive list of chemical standards, matched by expertise in designing and formulating custom standards to exacting specifications. Agilent products are available through our global distribution channels, and with our logistics capabilities we offer rapid turnaround time on all orders.

With over 40 years of technical expertise in measurement science, we provide innovative, quality products to address the entire analytical chemistry workflow for laboratories around the world.

Products

- Certified reference materials (CRM)
- Reference materials (RM)
- Calibration standards
- IQ/OQ/PQ standards
- Linearity standards
- Quality check samples
- Buffers and reagents
- Wash solution and diluents

Markets

Environmental

- Petrochemicals
- PCB/PBB
- Halocarbons
- VOC/Semi-VOC
- Pesticides
- Dioxins and furans

Food and Beverages

- Allergens
- Amino and nitroaromatics
- Pharma and vet drugs
- PAHs
- Lipids
- Food authenticity
- Phenols
- Dyes

Life Science

- Pharmaceutical
- Biopharma
- Academic and research
- University
- Governmental

Industrial and Mining

Petrochemical

- Matrix oils
- Metals in biodiesel
- Organometallic

Elemental Analysis

- Single element
- Multi-element

Custom products

Do you need a custom defined reference material or other chemical solution unique to your laboratory or testing procedure? If the product you require is not available as an Agilent product, we can prepare it for you on a custom basis. Custom reference materials are a fast, economical way to meet your specific laboratory needs.

Agilent maintains an expansive compatibility database, integrating 40 years of manufacturing and quality control data to create stable and reliable custom product formulations. Choose from any of our three quality control validation levels (see **Page 4**).

Visit **www.agilent.com/chem/standards** to request a quote.

Quality control laboratory



Agilent operates an ISO 17025 accredited quality control laboratory and is accredited to ISO Guide 34 as a reference material producer for the manufacture of certified reference materials (CRM).

Rely on the expertise of our applications development group for:

- Method development
- Pre- and postfill analysis
- Stability testing and protocols
- Homogeneity testing

Quality control validation levels

Chemical standards manufactured by Agilent are supplied with a lot-specific certificate of analysis (C of A) that reflects the associated quality control validation level. Certificates of analysis can ship with the product and are available online. All Agilent products, unless otherwise stated, are Level II - ISO Guide 34 reference materials.

		Reported Value	Reported Uncertainty	Former Name	Solutions	Neats	Lead Time (Customs)
Level I	ISO Guide 34 RM	True (calculated)	U_{char}	Gravimetric	Y	Y	5 business days
Level II	ISO Guide 34 RM	True (analytical)	U_{char}	Full validation	Y	Y	7 to 10 business days
Level III	ISO Guide 34	Certified	U_{exp}	ISO Guide 34	Y		15 to 20 business days

Level I solution: A reference material (RM) prepared gravimetrically in accordance with ISO Guide 34 and under the Agilent ISO 9001 registered quality system. The neat materials used for the product are verified by an Agilent ISO 17025 laboratory and under the Agilent ISO Guide 34 accreditation. For each analyte, the true value, with its uncertainty value calculated at 95% confidence level, is reported.

Level I neat: RM prepared in accordance with ISO Guide 34 and under the Agilent ISO 9001 registered quality system. The true value (% purity) is reported.

Level II solution: RM prepared gravimetrically in accordance with ISO Guide 34 and under the Agilent ISO 9001 registered quality system. The neat materials used for the product are verified by an Agilent ISO 17025 laboratory and under the Agilent ISO Guide 34 accreditation. The analyte concentrations are verified by an Agilent ISO 17025 accredited laboratory. For each analyte, the true value, with its uncertainty value calculated at 95% confidence level, is reported.

Level II neat: RM prepared in accordance with ISO Guide 34 and under the Agilent ISO 9001 registered quality system. The materials used for this product are verified by the Agilent ISO 17025 laboratory and under the Agilent ISO Guide 34 accreditation. The true value (% purity), with its uncertainty value calculated at 95% confidence level, is reported.

Level III solution: RM prepared gravimetrically in accordance with ISO Guide 34 and under the Agilent ISO 9001 registered quality system. The neat materials used for this product are verified by the Agilent ISO 17025 laboratory and under the Agilent ISO Guide 34 accreditation. The analyte concentrations are verified by an Agilent ISO 17025 accredited laboratory. For each analyte, the certified value is reported with its uncertainty value calculated as the expanded uncertainty, in accordance with ISO Guide 35.

Triple certification

Agilent is committed to product integrity by offering customers the assurance of triple certification to ISO standards.

Agilent operates under an ISO 9001 registered quality management system, where an accrediting body (TUV) attests to the quality of our methods, procedures, testing, production, and record keeping.

Our quality control laboratory is accredited to ISO 17025 (ANAB) for technical competence to perform testing of organic and inorganic materials and certified reference materials, as defined in our scope, accessible online at **www.agilent.com/chem/17025**

Agilent is further accredited to ISO Guide 34 (ANAB) for technical competence as a reference material producer of certified reference materials. This requires Agilent to identify and document the major components of uncertainty including homogeneity, short- and long-term stability, and uncertainty due to analytical characterization and manufacturing.

The most current Agilent certifications are accessible at **www.agilent.com/quality**

Tips and tools

To view our entire portfolio of over 7,000 standards, all manufactured under ISO 17025 Guide 34, visit **www.agilent.com/chem/standards**

Level 2 reference material Certificate of Analysis

Agilent

Certificate of Analysis
ISO Guide 34

C4-C24 Even Carbon Saturated FAME Mix

Product Number: 5191-4278 **Page:** 1 of 1

Lot Number: CR-5364 **Lot Issue Date:** 17-Nov-2017 **Expiration Date:** 31-Dec-2019

This ISO Guide 34 Reference Material (RM) was manufactured and verified in accordance with Agilent's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
methyl butanoate	000623-42-7	RM04575	1005 ± 5 µg/mL
methyl hexanoate	000106-70-7	NT01630	1005 ± 5 µg/mL
methyl octanoate	000111-11-5	NT01094	1003 ± 5 µg/mL
methyl decanoate	000110-42-9	NT00187	1004 ± 5 µg/mL
methyl laurate	000111-82-0	NT01095	1003 ± 5 µg/mL
methyl tetradecanoate	000124-10-7	NT00188	1003 ± 5 µg/mL
methyl palmitate	000112-39-0	RM07128	1001 ± 5 µg/mL
methyl octadecanoate	000112-61-8	RM12285	1002 ± 5 µg/mL
methyl arachidate	001120-28-1	RM11588	1003 ± 5 µg/mL
methyl docosanoate	000929-77-1	NT01096	1004 ± 5 µg/mL
tetracosanoic acid methyl ester	002442-49-1	NT01097	1004 ± 5 µg/mL

Matrix: hexane

Storage: Store Refrigerated (2° - 8°C).

Agilent uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.

Monica Bourgeois
QMS Representative

ANAB ACCREDITED
ISO Guide 34 Cert No. AR-1936

Produced in accordance with TUV USA Inc 56 100 18560026 registered ISO 9001 Quality Management System

ANAB ACCREDITED
ISO17025 Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 **www.agilent.com/quality**

An example of a Certificate of Analysis for an Agilent reference material.

GHS compliance

Agilent is a certified GHS author for SDS and GHS compliant labeling. Chemical products manufactured and distributed by Agilent are compliant with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS). Safety Data Sheets (SDS) and labels are prepared in accordance with regulations and in the following languages:

European CLP Regulation
Regulation 1272/2008

- Chinese (standard Mandarin)
- Czech
- Danish
- Dutch
- English
- Estonian
- Finnish
- French
- German
- Italian
- Japanese
- Korean
- Polish
- Portuguese
- Romanian
- Russian
- Spanish
- Swedish

USA GHS-OSHA Regulation
Hazcom 2012

- English
- Spanish
- French

Chinese GHS Regulation
GB/T 17519-2013 and GB/T 16483-2008

- Chinese (standard Mandarin)
- English

Additional languages are available upon request.
As regulations are updated and expanded, Agilent will maintain up-to-date records online at **www.agilent.com**

Tips and tools

To view our entire portfolio of over 7,000 standards, all manufactured under ISO 17025 Guide 34, visit **www.agilent.com/chem/standards**

Pesticide Standards – Neat and in Solution

Agilent standards, available in ampoules or vials, can be used either for immediate use or for long-term storage. For best results, analytical standards should be used immediately upon opening, and never transferred for later use. Should you need to store standards, the CERTAN bottle is the most secure, innovative package for that purpose.

Each component in a reference standard is pre-analyzed, and the solvents are of the highest quality available. Neat standards are shipped with a certificate showing the purity of the compound that is available for each standard. Solution standards are gravimetrically prepared to a precision of ± 0.5%, and are shipped with a certificate showing the true concentration of the pesticide in the standard.

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
AAtrex	See atrazine	
Abamectin	71751-41-2	PST-1870
Abate (temephos)	3383-96-8	PST-1875
AC 26691	See cythioate	
Acarben	See chlorobenzilate	
Acephate	30560-19-1	PST-1210
Acetochlor	34256-82-1	PST-1880
Acequinocyl	57960-19-7	PST-3655
Acetamiprid	135410-20-7	PST-3355
Acibenzolar-S-methyl	135158-54-2	PST-3660
Acifluorfen	50594-66-6	PST-1755
Acifluorfen methyl ester	50594-67-7	PST-4095
Aclonifen	74070-46-5	PST-2055
Acrinathrin	101007-06-1	PST-2060
Akton	1757-18-2	PST-6485
Alachlor (lasso)	15972-60-8	PST-625
Aldicarb (temik)	116-06-3	PST-940
Aldicarb sulfone (aldoxycarb)	1646-88-4	PST-1215
Aldicarb sulfoxide	1646-87-3	PST-1760
Aldrin (octalene)	309-00-2	PST-010
Alkron	See parathion	
Allethrin (allyl cinerin) (tech)	584-79-2	PST-020
Allidochlor (randox)	93-71-0	PST-867
Alloxydim-sodium	66003-55-2	PST-6585

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Allyl cinerin	See allethrin	
Ametryn (EVIK)	834-12-8	PST-024
Amiben	See chloramben	
Aminocarb (matacil)	2032-59-9	PST-660
4-Aminopyridine	504-24-5	PST-4670
Aminopyralid	150114-71-9	PST-6190
Amitraz	33089-61-1	PST-1895
Amitrole (amizol)	61-82-5	PST-030
Amizol	See amitrole	
Ancymidol	12771-68-5	PST-5090
Anilazine (dryene)	101-05-3	PST-2995
Anthraquinone	84-65-1	PST-4360
Aprocarb	See propoxur	
Arathane	See dinocap	
Aramite (total)	140-57-8	PST-4000
Aspon	3244-90-4	PST-2755
Asana	66230-04-4	PST-1900
Atraton	1610-17-9	PST-1220
Atrazine (aAtrex)	1912-24-9	PST-005
Atrazine-desethyl	6190-65-4	PST-4010
Atrazine-desethyl-2-hydroxy	19988-24-0	PST-1005
Atrazine-desisopropyl	1007-28-9	PST-4005
Avadex	See diallate	
Avolin	See dimethyl phthalate	

(Continued)

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Azaconazole	60207-31-0	PST-2065
Azadirachtin	11141-17-6	PST-5085
Azamethiphos	035575-96-3	PST-5370
Azinphos-methyl (guthion)	86-50-0	PST-560
Aziprotryne	4658-28-0	PST-2760
Azinphos-ethyl (guthion ethyl)	2642-71-9	PST-1225
Azobenzene	103-33-3	PST-4480
Azocyclotin	41083-11-8	PST-3675
Azoxystrobin	131860-33-8	PST-1905
Azodrin	See monocrotophos	
Azolamide (isocarbamid)	30979-48-7	PST-2765
Azoxystrobin	131860-33-8	PST-1905
Banvel D	See dicamba	
Barban	101-27-9	PST-1230
Basudin	See diazinon	
Baycor (bitertanol)	55179-31-2	PST-2070
Baygon	See propoxur	
Baytex	See fenthion	
Baythroid (cyfluthrin)	68359-37-5	PST-1910
BDMC	672-99-1	PST-4015
Beam	See tricyclazole	
Benalaxyl	71626-11-4	PST-2075
Benazolin	3813-05-6	PST-2770
Benazolin-ethyl ester	25059-80-7	PST-5240
Bendiocarb	22781-23-3	PST-1235
Benefin (benfluralin)	1861-40-1	PST-1240
Benfluralin	See benefin	
Benfuracarb	82560-54-1	PST-2775
Benodanil	15310-01-7	PST-2780
Benomyl	17804-35-2	PST-1245
Benoxacor	98730-04-2	PST-2785
Bensulfuron-methyl	83055-99-6	PST-2790

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Bensulide	741-58-2	PST-1250
Bensultap	17606-31-4	PST-5165
Bentazon	25057-89-0	PST-1255
Bentazon methyl derivative	61592-45-8	PST-4070
Benzoaminopurine	1214-39-7	PST-4795
Benzoximate	29104-30-1	PST-2795
Benzoylprop ethyl	22212-55-1	PST-1260
Benzthiazuron	1929-88-0	PST-2800
Benzyl benzoate	120-51-4	PST-4555
BHC-mix (tech)	608-73-1	PST-070
α-BHC (*α*-HCH)	319-84-6	PST-071
β-BHC (*β*-HCH)	319-85-7	PST-072
δ-BHC (*δ*-HCH)	319-86-8	PST-073
γ-BHC	See lindane	
Bifenazate	149877-41-8	PST-3690
Bifenox	42576-02-3	PST-2805
Bifenthrin	82657-04-3	PST-1915
Binapacryl	485-31-4	PST-4650
Bioallethrin	28057-48-9	PST-2080
S-Bioallethrin (esbiol)	28434-00-6	PST-5290
Bioresmethrin	28434-01-7	PST-2650
Biphenyl	92-52-4	PST-4405
Bispyribac-Sodium	125401-92-5	PST-6060
Bis(tributyltin)oxide	56-35-9	PST-4240
Bitertanol	See baycor	
Boscalid	188425-85-6	PST-3365
Botran	See dichloran	
Brodifacoum	056073-10-0	PST-5525
Bromacil	314-40-9	PST-1265
Bromadiolone	28772-56-7	PST-1270
Brominil	See bromoxynil	
Bromofume	See EDB	

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Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Bromophos-ethyl	4824-78-6	PST-2085
Bromophos-methyl	2104-96-3	PST-2815
Bromopropylate	18181-80-1	PST-2090
Bromoxynil (brominil)	1689-84-5	PST-1050
Bromoxynil octanoate	1689-99-2	PST-2820
Bromuconazole	116255-48-2	PST-2095
Bronopol	52-51-7	PST-4225
Bupirimate	41483-43-6	PST-2100
Buprofezin	69327-76-0	PST-2105
Butachlor	23184-66-9	PST-1275
Butacide	See piperonyl butoxide	
Butocarboxim	34681-10-2	PST-2825
Butralin	33269-47-9	PST-2830
Buturon	3766-60-7	PST-2835
Butylate	2008-41-5	PST-1280
Cadusafos	95465-99-9	PST-3375
Carbetamide	16118-49-3	PST-2840
Caparol	See prometryn	
Captafol (difolatan)	2425-06-1	PST-410
Captan (orthocide 406)	133-06-2	PST-090
Carbaryl (sevin)	63-25-2	PST-100
Carbendazim	10605-21-7	PST-1285
Carbofuran (furadan)	1563-66-2	PST-1295
Carbofuran phenol	1563-38-8	PST-6710
Carbophenothion (trithion)	786-19-6	PST-990
Carbophos	See malathion	
Carbosulfan	55285-14-8	PST-2655
Carboxin	5234-68-4	PST-1305
Carfentrazone-ethyl	128639-02-1	PST-6075
Cartap hydrochloride	15263-52-2	PST-4035
Chinomethionate (quinomethionate)	2439-01-2	PST-2845
Chloramben (amiben)	133-90-4	PST-025

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Chloramben methyl ester	7286-84-2	PST-4135
Chlorbenside	103-17-3	PST-2850
Chlorbromuron	13360-45-7	PST-2110
Chlorbufam	1967-16-4	PST-2115
Chlordimeform	6164-98-3	PST-2855
Chlorethoxyfos	54593-83-8	PST-5495
Chlorfenprop-methyl	14437-17-3	PST-2860
Chlorfluazuron	71422-67-8	PST-3385
Chlorflurecol-methyl ester	2536-31-4	PST-4900
Chloridazon	1698-60-8	PST-2125
Chlorimuron ethyl	90982-32-4	PST-1920
Chlordane (octachlor) (tech)	57-74-9	PST-110
α-Chlordane (*cis*-chlordane)	5103-71-9	PST-111
γ-Chlordane (*trans*-chlordane)	5103-74-2	PST-112
Chlordecone	See kepone	
Chlordene	3734-48-3	PST-1310
Chlorfenapyr	122453-73-0	PST-2120
Chlorfenson	See ovex	
Chlorfenvinphos	470-90-6	PST-1325
Chlormephos	24934-91-6	PST-2865
Chlormequat chloride	999-81-5	PST-2870
Chloroacetic acid	79-11-8	PST-4315
Chlorobenzilate (acarben)	510-15-6	PST-120
Chloroneb	2675-77-6	PST-1330
Chlorophacinone	3691-35-8	PST-4975
4-Chlorophenoxyacetic acid	122-88-3	PST-4020
Chlorophos	See trichlorfon	
Chloropicrin	76-06-2	PST-1335
Chloropropylate	5836-10-2	PST-2660
Chlorothalonil	1897-45-6	PST-1340
Chlorotoluron	15545-48-9	PST-2130
Chloroxuron	1982-47-4	PST-2135

(Continued)

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Chlorpropham	101-21-3	PST-1345
Chlorpyriphos	2921-88-2	PST-480
Chlorsulfuron	64902-72-3	PST-2875
Chlorthiamid	1918-13-4	PST-2880
Chlorthion	500-28-7	PST-2885
Chlorpyrifos (dursban)	2921-88-2	PST-480
Chlorpyrifos methyl	5598-13-0	PST-1350
Chlozolinate	84332-86-5	PST-2890
Cinosulfuron	94593-91-6	PST-5850
Clethodim	99129-21-2	PST-1925
Clodinafop-propargyl ester	105512-06-9	PST-5920
Clofentezine	74115-24-5	PST-2145
Clomazone (command)	81777-89-1	PST-2900
Cloprop	101-10-0	PST-4475
Clopyralid	See lontrel	
Cloransulam-methyl	147150-35-4	PST-6175
Clothianidin	210880-92-5	PST-3395
Co-Ral	See coumaphos	
Coumaphene	See warfarin	
Coumatetralyl	5836-29-3	PST-5035
Coumaphos (co-Ral)	56-72-4	PST-130
Crimidine	535-89-7	PST-2905
Crotoxyphos	7700-17-6	PST-1355
Crufomate (ruelene) (93+%)	299-86-5	PST-900
Cyanazine	21725-46-2	PST-1360
Cyanofenphos	13067-93-1	PST-2910
Cyanophos	2636-26-2	PST-2915
Cyazofamid	120116-88-3	PST-3400
Cyclanilide	113136-77-9	PST-5950
Cycloate	1134-23-3	PST-1365
Cycloheximide	66-81-9	PST-1930
2-cyclohexyl-4,6-dinitrophenol	131-89-5	PST-2725

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Cyclosulfamuron	136849-15-5	PST-3905
Cycluron	2163-69-1	PST-2920
Cygon	See dimethoate	
Cyhalofop-butyl	122008-85-9	PST-3410
lambda-cyhalothrin	91465-08-6	PST-1990
Cymoxanil	57966-95-7	PST-2925
α-Cypermethrin	67375-30-8	PST-1890
Cypermethrin (methyl dursban)	52315-07-8	PST-1370
Cyphenothrin	39515-40-7	PST-5410
Cyprazine	22936-86-3	PST-4025
Cyproconazole	94361-06-5	PST-2150
Cyprodinil	121552-61-2	PST-2155
Cyromazine	66215-27-8	PST-1935
Cythioate (AC 26691)	115-93-5	PST-1380
Cythion	See malathion	
2,4-D	94-75-7	PST-140
2,4-D butoxyethyl ester	1929-73-3	PST-4860
2,4-D butyl ester	94-80-4	PST-2720
2,4-D ethyl ester	533-23-3	PST-4685
2,4-D isooctyl ester (mix)	25168-26-7	PST-5245
2,4-D isopropyl ester	94-11-1	PST-4420
2,4-D methyl ester	1928-38-7	PST-150
Dacthal	See DCPA	
Dalf	See methyl parathion	
Dalapon (dowpon)	75-99-0	PST-170
Dalapon methyl ester	17640-02-7	PST-171
Daminozide	1596-84-5	PST-4045
DATC	See diallate	
Dazomet	533-74-4	PST-2930
2,4-DB	94-82-6	PST-1170
2,4-DB methyl ester	18625-12-2	PST-1171
DBCP (fumazone)	96-12-8	PST-180

(Continued)

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
DCNA	See dichloran	
DCPA (dacthal)	1861-32-1	PST-160
DDA	83-05-6	PST-200
2,4′-DDD (*o,p*′-DDD)	53-19-0	PST-210
4,4′-DDD (*p,p*′-DDD)	72-54-8	PST-220
2,4′-DDE (*o,p*′-DDE)	3424-82-6	PST-241
4,4′-DDE (*p,p*′-DDE)	72-55-9	PST-250
4,4′-DDMU	1022-22-6	PST-2740
DDT-mix (tech)	50-29-3	PST-260
2,4′-DDT (*o,p*′-DDT)	789-02-6	PST-271
4,4′-DDT (*p,p*′-DDT)	50-29-3	PST-280
DDVP	See dichlorvos	
Decamethrin	See deltamethrin	
Deet	134-62-3	PST-298
DEF (94+%)	78-48-8	PST-300
Delnav	See dioxathion	
Deltamethrin (decamethrin)	52918-63-5	PST-1385
Demeton O	298-03-3	PST-4620
Demeton (systox)	8065-48-3	PST-920
Demeton S	126-75-0	PST-1940
Demeton S-methyl	See metasystox I	
Demeton S-methyl sulfone	17040-19-6	PST-2665
Desmedipham	13684-56-5	PST-5105
Desmetryne	1014-69-3	PST-2160
Devrinol	See napropamide	
Dexon	See fenaminosulf	
Diafenthiuron	80060-09-9	PST-3910
Dialifos	10311-84-9	PST-2165
Diallate (avadex)	2303-16-4	PST-035
Diazinon (basudin) (92+%)	333-41-5	PST-320
Diazinon-O-analog	962-58-3	PST-2935
Dibrom	See naled	

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Dibutyl chlorendate	1770-80-5	PST-1160
Dicamba (banvel D)	1918-00-9	PST-050
Dicamba methyl ester	6597-78-0	PST-051
Dicapthon (dicaptan)	2463-84-5	PST-1070
Dichlobenil	1194-65-6	PST-2170
Dichlofenthion	97-17-6	PST-1390
Dichlofluanid	1085-98-9	PST-2175
Dichlone	117-80-6	PST-1395
Dichloran (DCNA)	99-30-9	PST-190
Dichlormid	37764-25-3	PST-5385
Dichlorobenzamide	2008-58-4	PST-2180
1,2-Dichlorobenzene	95-50-1	PST-4435
1,4-Dichlorobenzene	106-46-7	PST-4490
Dichlorophen	97-23-4	PST-2940
1,2-Dichloropropane	78-87-5	PST-4310
1,3-Dichloro-1-propene (mix)	542-75-6	PST-4700
Dichlorprop (2,4-DP)	120-36-5	PST-370
Dichlorprop methyl ester	57153-17-0	PST-371
Dichlorprop-P	15165-67-0	PST-5315
Dichlorvos (DDVP)	62-73-7	PST-380
Diclobutrazol	75736-33-3	PST-2945
Dicofol (kelthane) (92+%)	115-32-2	PST-391
Diclofop	40843-25-2	PST-2950
Diclofop methyl	51338-27-3	PST-2955
Dicrotophos	141-66-2	PST-2960
Dieldrin (HEOD)	60-57-1	PST-400
Dienochlor	2227-17-0	PST-2965
Diethofencarb	87130-20-9	PST-2185
Diethatyl-ethyl	38727-55-8	PST-5400
Diethyl dithiobis(thionoformate)	502-55-6	PST-4665
Difenacoum	56073-07-5	PST-5520
Difenoconazole	119446-68-3	PST-2190

(Continued)

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Difenoxuron	14214-32-5	PST-2195
Difenzoquat methylsulfate	43222-48-6	PST-5450
Dowpon	See dalapon	
2,4-DP	See dichlorprop	
Duphar	See tetradifon	
Dursban	See chlorpyrifos	
Dyfonate	See fonofos	
Dylox	See trichlorfon	
Dyrene	101-05-3	PST-2995
EDB (ethylene dibromide)	106-93-4	PST-1040
Edifenphos	17109-49-8	PST-3000
Emamectin	119791-41-2	PST-6000
Endosulfan (thiodan) (tech)	115-29-7	PST-500
Endosulfan I (thiodan I)	959-98-8	PST-501
Endosulfan II (thiodan II)	33213-65-9	PST-502
Endosulfan sulfate	1031-07-8	PST-503
Endothall	145-73-3	PST-1845
Endrin	72-20-8	PST-510
Endrin aldehyde	7421-93-4	PST-512
Endrin ketone	53494-70-5	PST-513
Entex	See fenthion	
EPN	2104-64-5	PST-520
Epoxiconazole	133855-98-8	PST-2235
EPTC	759-94-4	PST-1420
Estonmite	See ovex	
Etaconazole	60207-93-4	PST-3010
Ethalfluralin	55283-68-6	PST-3015
Ethametsulfuron-methyl	97780-06-8	PST-5865
Ethephon	16672-87-0	PST-5160
Ethidimuron	30043-49-3	PST-5320
Ethiofencarb	29973-13-5	PST-2240
Ethiofencarb Sulfone	53380-23-7	PST-2245

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Ethiofencarb Sulfoxide	53380-22-6	PST-2250
Ethion (nialate)	563-12-2	PST-530
Ethofumasate	26225-79-6	PST-2255
Ethoprop (prophos)	13194-48-4	PST-1425
Ethoxysulfuron	126801-58-9	PST-6065
Ethoxyquin	91-53-2	PST-2675
Ethylenethiourea (imidazolidinethione)	96-45-7	PST-6530
Ethylene dibromide	See EDB	
Etofenprox	80844-07-1	PST-2260
Etoxazol	153233-91-1	PST-2265
Etridiazole (terrazole)	2593-15-9	PST-1770
Etrimfos	38260-54-7	PST-2270
EVIK	See ametryn	
Famophos	See famphur	
Famoxadone	131807-57-3	PST-2275
Famphur (famophos)	52-85-7	PST-1430
Fenac	85-34-7	PST-4375
Fenamidone	161326-34-7	PST-2280
Fenaminosulf (dexon) (tech)	140-56-7	PST-310
Fenamiphos	22224-92-6	PST-1435
Fenamiphos sulfone	31972-44-8	PST-3020
Fenamiphos-sulfoxide	31972-43-7	PST-6385
Fenarimol	60168-88-9	PST-1775
Fenazaquin	120928-09-8	PST-2285
Fenbuconazole	114369-43-6	PST-2290
Fenbutatin-oxide	13356-08-6	PST-3705
Fenchlorphos	See ronnel	
Fenchlorphos-oxon	3983-45-7	PST-6435
Fenfuram	24691-80-3	PST-3025
Fenhexamid	126833-17-8	PST-2295
Fenitrothion	122-14-5	PST-1080
Fenobucarb	3766-81-2	PST-3435

(Continued)

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Fenoxaprop ethyl	66441-23-4	PST-3030
Fenoxaprop-p	95617-09-7	PST-3035
Fenoxaprop-p-ethyl (R-enantiomer)	71283-80-2	PST-6395
Fenoxycarb	79127-80-3	PST-2300
Fenpiclonil	74738-17-3	PST-2305
Fenpropathrin	39515-41-8	PST-2310
Fenpropidin	67306-00-7	PST-2315
Fenpropimorph	67306-03-0	PST-2320
Fenpyroximate	111812-58-9	PST-3040
Fenson	80-38-6	PST-3045
Fensulfothion	115-90-2	PST-1440
Fenthion (baytex)	55-38-9	PST-540
Fenthion-ethyl	1716-09-2	PST-4845
Fenthion-sulfone	3761-42-0	PST-6365
Fenthion-sulfoxide	3761-41-9	PST-3050
Fenthion oxon	6552-12-1	PST-6475
Fentin hydroxide	76-87-9	PST-4300
Fenuron	101-42-8	PST-1780
Fenuron TCA	4482-55-7	PST-5010
Fenvalerate (sanmarton)	51630-58-1	PST-1445
Ferbam	14484-64-1	PST-5125
Fipronil	120068-37-3	PST-1950
Fipronil-sulfone	120068-36-2	PST-6445
Fipronil-sulfide	120067-83-6	PST-6720
Flamprop	58667-63-3	PST-3055
Flamprop-isopropyl	52756-22-6	PST-3060
Flamprop-methyl	52756-25-9	PST-5480
Flocoumafen	90035-08-8	PST-5825
Flonicamid	158062-67-0	PST-3710
Fluazifop	69335-91-7	PST-5645
Fluazifop-butyl	69806-50-4	PST-2325
Fluazifop-p-butyl	79241-46-6	PST-3065

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Fluazinam	79622-59-6	PST-3670
Flubendiamide	272451-65-7	PST-3460
Flucarbazone-sodium	181274-17-9	PST-6230
Fluchloralin	33245-39-5	PST-3070
Flucycloxuron	113036-88-7	PST-2330
Flucythrinate	70124-77-5	PST-2335
Fludioxonil	131341-86-1	PST-2340
Flufenacet	142459-58-3	PST-3925
Flufenoxuron	101463-69-8	PST-2345
Flumetralin	62924-70-3	PST-5595
Flumetsulam	98967-40-9	PST-3075
Flumiclorac-pentyl	87546-18-7	PST-5810
Fluometuron	2164-17-2	PST-1450
Fluorodifon	15457-05-3	PST-5140
Fluoroglycofen-ethyl	77501-90-7	PST-2350
Fluquinconazole	136426-54-5	PST-2355
Fluridone (sonar)	59756-60-4	PST-1785
Fluroxypyr	69377-81-7	PST-3080
Fluroxypyr-meptyl	81406-37-3	PST-5740
Flurprimidol	56425-91-3	PST-5530
Flusilazole	85509-19-9	PST-2360
Flutolanil	66332-96-5	PST-2365
Flutriafol	76674-21-0	PST-2680
tau-Fluvalinate (mavrik)	102851-06-9	PST-2580
Folex	See merphos	
Folicur (tebuconazole)	107534-96-3	PST-1955
Folidol	See parathion	
Folpet (phaltan)	133-07-3	PST-550
Fomesafen	72178-02-0	PST-3085
Fonofos (dyfonate)	944-22-9	PST-1090
Foramsulfuron	173159-57-4	PST-6220
Forchlorfenuron (CPPU)	68157-60-8	PST-3475

(Continued)

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Formetanate hydrochloride	23422-53-9	PST-5220
Formothion	2540-82-1	PST-3090
Fosetyl-aluminum	39148-24-8	PST-5405
Fosthiazate	98886-44-3	PST-3480
Fuberidazole	3878-19-1	PST-2370
Fumazone	See DBCP	
Furadan	See carbofuran	
Furalaxyl	57646-30-7	PST-2375
Furathiocarb	65907-30-4	PST-3095
Furilazole	141980-03-2	PST-3100
Garrathion	See carbophenothion	
Gesagard	See prometryn	
Gesamil	See propazine	
Gesapram	See prometon	
Gesaprim	See atrazine	
Gesatop	See simazine	
Gibberellic acid	77-06-5	PST-3930
Glufosinate-ammonium	77182-82-2	PST-1960
Glyodin	556-22-9	PST-4705
Glyphosate	1071-83-6	PST-1850
Glyphosate-isopropyl ammonium salt	38641-94-0	PST-1965
Guthion	See azinphos-methyl	
Guthion Ethyl	See azinphosethyl	
HCB	See hexachlorobenzene	
HCH	See BHC	
α-HCH	See *α*-BHC	
β-HCH	See *β*-BHC	
δ-HCH	See *δ*-BHC	
γ-HCH	See lindane	
HEOD	See dieldrin	
Halofenozide	112226-61-6	PST-5940
Halosulfuron-methyl	100784-20-1	PST-3935

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Heptachlor	76-44-8	PST-571
Heptachlor epoxide (isomer A)	28044-83-9	PST-581
Heptachlor epoxide (isomer B)	1024-57-3	PST-582
Heptenophos	23560-59-0	PST-2380
Hexachlorobenzene (HCB)	118-74-1	PST-590
Hexachlorocyclohexane	See BHC-mix	
Hexachlorophene	70-30-4	PST-4260
Hexaconazole	79983-71-4	PST-2385
Hexaflumuron	86479-06-3	PST-3105
Hexythiazox	78587-05-0	PST-3110
Hexazinone (velpar)	51235-04-2	PST-1460
Hydramethylnon	67485-29-4	PST-5635
Hydroprene-S	65733-18-8	PST-5630
3-Hydroxycarbofuran	16655-82-6	PST-1290
Hymexazol	10004-44-1	PST-3715
Imazalil	35554-44-0	PST-1970
Imazamethabenz-methyl	81405-85-8	PST-2390
Imazamox	14311-32-9	PST-3115
Imazapic	104098-48-8	PST-5910
Imazapyr	81334-34-1	PST-3120
Imazaquin	81335-37-7	PST-3125
Imazethapyr	81335-77-5	PST-1975
Imidacloprid	138261-41-3	PST-1980
Imidan	See phosmet	
Indoxacarb	173584-44-6	PST-2685
Iodofenphos (jodfenphos)	18181-70-9	PST-3130
Ioxynil	1689-83-4	PST-3135
Ioxynil-octanoate	3861-47-0	PST-4990
Ioxynil methyl	3336-40-1	PST-4055
Iprobenfos	26087-47-8	PST-3500
Iprodione	36734-19-7	PST-1985
Isoprothiolane	50512-35-1	PST-3510

(Continued)

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Isazophos	42509-80-8	PST-3140
Isodrin	465-73-6	PST-1855
Isofenphos	25311-71-1	PST-2690
Isoprocarb	2631-40-5	PST-1470
Isopropalin	33820-53-0	PST-1475
Isoproturon	34123-59-6	PST-2395
Isoxaben	82558-50-7	PST-5755
Isoxaflutole	141112-29-0	PST-6150
Ivermectine	70288-86-7	PST-5680
Karathane	See dinocap	
Kelthane	See dicofol	
Kepone (chlordecone)	143-50-0	PST-620
Kinetin	525-79-1	PST-4675
Kinoprene	42588-37-4	PST-5440
Korlan	See ronnel	
Kresoxim-methyl	143390-89-0	PST-2405
Lactofen	77501-63-4	PST-5725
lambda-Cyhalothrin	91465-08-6	PST-1990
Lannate	See methomyl	
Lasso	See alachlor	
Lenacil	2164-08-1	PST-2410
Leptophos (phosvel)	21609-90-5	PST-1480
Lethane 384	112-56-1	PST-1485
Lindane (γ-BHC)	58-89-9	PST-630
Linuron	330-55-2	PST-1490
Lontrel (clopyralid)	1702-17-6	PST-1995
Lufenuron	103055-07-8	PST-3515
Malathion (carbophos)	121-75-5	PST-641
Malaoxon	1634-78-2	PST-3145
Maleic hydrazide (3,6-dihydroxypyridazine)	123-33-1	PST-4565
Mancozeb	8018-01-7	PST-3150
Maneb (dithane M-22)	12427-38-2	PST-650

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Manzate	See maneb	
Marlate	See methoxychlor	
Matacil	See aminocarb	
Mavrik	See tau-Fluvalinate	
MCPA	94-74-6	PST-1180
MCPA methyl ester	2436-73-9	PST-1181
MCPB	94-81-5	PST-3155
MCPB methyl ester	57153-18-1	PST-5540
MCPP (mecoprop)	93-65-2	PST-1190
MCPP methyl ester	23844-56-6	PST-1191
Mecarbam	2595-54-2	PST-2415
Mecoprop-P	16484-77-8	PST-5150
Mediben	See dicamba	
Mefenacet	73250-68-7	PST-3525
Mefenpyr-diethyl	135590-91-9	PST-6120
Mefluidide	53780-34-0	PST-5485
Mepanipyrim	110235-47-7	PST-2420
Mephosfolan	950-10-7	PST-4785
Mepiquat chloride	24307-26-4	PST-5230
Mepronil	55814-41-0	PST-2425
Mercaptobenzothiazole	149-30-4	PST-1860
Merphos (folex)	150-50-5	PST-1500
Mesotrione	104206-82-8	PST-5915
Metalaxyl-M	70630-17-0	PST-3970
Metaldehyde	9002-91-9	PST-6420
Metconazole	125116-23-6	PST-2440
Meta-Delphene	See deet	
Metalaxyl	57837-19-1	PST-2000
Metamitron	41394-05-2	PST-2430
Metasystox I (demeton-S-methyl)	919-86-8	PST-2005
Metasystox R	See oxydemeton-methyl	
Metazachlor	67129-08-2	PST-2435

(Continued)

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Methabenzthiazuron	18691-97-9	PST-2445
Methacrifos	62610-77-9	PST-2695
Metham sodium	137-42-8	PST-1505
Methamidophos (monitor)	10265-92-6	PST-1510
Methidathion	950-37-8	PST-1520
Methiocarb	2032-65-7	PST-1525
Methiocarb Sulfone	2179-25-1	PST-2450
Methiocarb Sulfoxide	2635-10-1	PST-2455
Methomyl (lannate)	16752-77-5	PST-680
Methoprene	40596-69-8	PST-3160
Methoprotryne	841-06-5	PST-4755
Methoxychlor (DMDT)	72-43-5	PST-691
4,4′-Methoxychlor olefin	2132-70-9	PST-6375
Methoxyfenozide	161050-58-4	PST-3530
4-Methoxy-1,3-phenylenediamine	615-05-4	PST-2745
Methyl 3,5-Dichlorobenzoate	2905-67-1	PST-4110
Methyl Dursban	See cypermethrin	
Methyl parathion (dalf)	298-00-0	PST-700
Metobromuron	3060-89-7	PST-3165
Metolachlor	51218-45-2	PST-1530
Metolachlor OA	152019-73-3	PST-6660
S-Metolachlor	87392-12-9	PST-5805
Metolcarb	1129-41-5	PST-3535
Metoxuron	19937-59-8	PST-2460
Metribuzin	21087-64-9	PST-1535
Metsulfuron methyl	74223-64-6	PST-3170
Mevinphos (phosdrin) (tech)	7786-34-7	PST-710
Mexacarbate (zectran) (94+%)	315-18-4	PST-1010
MGK-264, mixed isomers	113-48-4	PST-1790
Mildex	See dinocap	
Milogard	See propazine	
Mintacol	See paraoxon	

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Mirex	2385-85-5	PST-720
Mitotane	See 2,4′-DDD	
Molinate	2212-67-1	PST-1540
Monitor	See methamidophos	
Monocrotophos (azodrin)	6923-22-4	PST-040
Monolinuron	1746-81-2	PST-2465
Monosodium acid methanearsonate sesquihydrate	2163-80-6	PST-4875
Monuron	150-68-5	PST-1545
Monuron TCA	140-41-0	PST-1550
Myclobutanil	88671-89-0	PST-2470
Nabam	142-59-6	PST-4605
Naled (dibrom) (93+%)	300-76-5	PST-730
Nankor	See ronnel	
Napropamide (devrinol)	15299-99-7	PST-1555
1,8-Naphthalic anhydride	000081-84-5	PST-4340
β-Naphthoxyacetic acid	120-23-0	PST-2810
1-Naphthylacetamide	86-86-2	PST-4380
1-Naphthylacetic acid	86-87-3	PST-2710
N-1-Naphthylphthalamic acid	132-66-1	PST-2010
Neburon	555-37-3	PST-1560
Nemafume, Nemagone	See DBCP	
Nialate	See ethion	
Niclosamide	50-65-7	PST-4215
Nicosulfuron	111991-09-4	PST-3180
Nicotine	54-11-5	PST-4230
Niran	See parathion	
Nitralin	4726-14-1	PST-5015
Nitrapyrin	1929-82-4	PST-4865
Nitrofen	1836-75-5	PST-1565
Nitrothal-isopropyl	10552-74-6	PST-2475
Nitrox 80	See methyl parathion	

(Continued)

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
cis-Nonachlor	5103-73-1	PST-1200
trans-Nonachlor	39765-80-5	PST-1201
Norflurazon	27314-13-2	PST-1795
Novaluron	116714-46-6	PST-3540
Nuarimol	63284-71-9	PST-2480
Nuvacron	See monocrotophos	
Octachlor	See chlordane	
Octalene	See aldrin	
Octachlorostyrene	29082-74-4	PST-3185
Omethoate	1113-02-6	PST-2015
Orbencarb	34622-58-7	PST-3190
Orthocide 406	See captan	
Oryzalin	19044-88-3	PST-1570
Ovex (chlorfenson)	80-33-1	PST-1100
Oxadiazon	19666-30-9	PST-1575
Oxadixyl	77732-09-3	PST-2485
Oxamyl	23135-22-0	PST-1580
Oxolinic acid	14698-29-4	PST-3720
Oxycarboxin	5259-88-1	PST-5025
Oxychlordane	027304-13-8	PST-2705
Oxydemeton methyl	301-12-2	PST-3195
Oxyfluorfen	42874-03-3	PST-1590
Oxytetracycline hydrochloride	2058-46-0	PST-4870
Paclobutrazole	76738-62-0	PST-2490
Palatinol M	See dimethyl phthalate	
Paraoxon (mintacol)	311-45-5	PST-1110
Paraquat dichloride	1910-42-5	PST-740
Parathion (alkron)	56-38-2	PST-761
PCNB	See quintozene	
PCP (pentachlorophenol)	87-86-5	PST-780
Pebulate	1114-71-2	PST-1595
Penconazole	66246-88-6	PST-2495

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Pencycuron	66063-05-6	PST-3555
Pendimethalin (prowl)	40487-42-1	PST-1600
Pentachloroaniline	527-20-8	PST-3610
Pentachloroanisole	1825-21-4	PST-4190
Pentachloronitrobenzene	82-68-8	PST-770
Pentachlorophenol	See PCP	
Permethrin, mixed isomers	52645-53-1	PST-1605
cis-Permethrin	61949-76-6	PST-2895
trans-Permethrin	61949-77-7	PST-3965
Perthane	72-56-0	PST-790
Phaltan	See folpet	
Phenacide	See toxaphene	
Phenmedipham	13684-63-4	PST-5110
Phenothrin (tech)	26002-80-2	PST-2700
Phenthoate	2597-03-7	PST-2020
Phenyl mercuric chloride	100-56-1	PST-4470
o-Phenylphenol	90-43-7	PST-1610
Phorate-sulfone	2588-04-7	PST-6550
Phorate oxon	2600-69-3	PST-3200
Phorate sulfoxide	2588-03-6	PST-1455
Phorate (thimet) (tech)	298-02-2	PST-800
Phosalone	2310-17-0	PST-2500
Phosdrin	See mevinphos	
Phosfolan	947-02-4	PST-4780
Phosmet (imidan)	732-11-6	PST-600
Phosphamidon (dimecron)	13171-21-6	PST-810
Phoxim	14816-18-3	PST-3205
Phosvel	See leptophos	
Picloram	1918-02-1	PST-1620
Picloram methyl ester	14143-55-6	PST-4145
Pinoxaden	243973-20-8	PST-6280
Piperalin	3478-94-2	PST-4960

(Continued)

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Piperonyl butoxide (butacide)	51-03-6	PST-820
Pirimicarb	23103-98-2	PST-2505
Pirimiphos-ethyl	23505-41-1	PST-2510
Pirimphos-methyl	29232-93-7	PST-1625
Plifenate	21757-82-4	PST-3210
Potassium cyanate	590-28-3	PST-4710
Prallethrin	23031-36-9	PST-5215
Pramitol	See prometon	
Pretilachlor	51218-49-6	PST-5455
Primatol	See simazine	
Primatol A	See atrazine	
Probenazole	27605-76-1	PST-3565
Prochloraz	67747-09-5	PST-2515
Procyazine	32889-48-8	PST-5340
Procymidone	32809-16-8	PST-2520
Prodiamine	29091-21-2	PST-5310
Profenophos	41198-08-7	PST-1635
Profluralin	26399-36-0	PST-1640
Prohexadione	88805-35-0	PST-5820
Prohexadione-calcium	127277-53-6	PST-6070
Prolate	See phosmet	
Promecarb	2631-37-0	PST-1645
Prometon (gesapram)	1610-18-0	PST-830
Prometryn (caparol)	7287-19-6	PST-840
Pronamide	23950-58-5	PST-1650
Propachlor (ramrod)	1918-16-7	PST-865
Propamocarb	24579-73-5	PST-3215
Propamocarb hydrochloride	25606-41-1	PST-5260
Propanil	709-98-8	PST-1655
Propaquizafop	111479-05-1	PST-3220
Propargite	2312-35-8	PST-1660
Propazine (gesamil)	139-40-2	PST-850

*Available in solution only

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Propetamphos	31218-83-4	PST-3225
Propham	122-42-9	PST-1665
Prophos	See ethoprop	
Propiconazole	See tilt	
Propineb	12071-83-9	PST-3950
Propoxur (baygon)	114-26-1	PST-060
Prosulfocarb	52888-80-9	PST-2525
Prosulfuron	94125-34-5	PST-5845
Prowl	See pendimethalin	
Pymetrozine	123312-89-0	PST-3725
Pyraclofos	89784-60-1	PST-3570
Pyraclostrobin	175013-18-0	PST-3575
Pyraflufen-ethyl	129630-19-9	PST-6090
Pyrazosulfuron-ethyl	93697-74-6	PST-5835
Pyrazophos	13457-18-6	PST-2530
Pyrazoxyfen	71561-11-0	PST-5685
Pyresyn	See allethrin	
Pyrethrins	8003-34-7	PST-2535
Pyridaben	96489-71-3	PST-2540
Pyridaphenthion	119-12-0	PST-2545
Pyridate	55512-33-9	PST-5510
Pyrifenox	88283-41-4	PST-2550
Pyrimethanil	53112-28-0	PST-2555
Pyriproxyfen	95737-68-1	PST-2560
Pyrithiobac-sodium	123343-16-8	PST-6035
Quinalphos	13593-03-8	PST-1675
Quinclorac	84087-01-4	PST-3230
Quinmerac	90717-03-6	PST-3235
Quinomethionate	See chinomethionate	
Quinoxyphen	124495-18-7	PST-2565
Quintozene (PCNB)	82-68-8	PST-770
Quizalofop	76578-12-6	PST-5715

(Continued)

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Quizalofop-P ethyl	100646-51-3	PST-5885
Quizalofop-ethyl	76578-14-8	PST-2570
Ramrod	See propachlor	
Randox	See allidochlor	
Resmethrin	10453-86-8	PST-870
Rhothane	See 4,4′-DDD	
Rimsulfuron	122931-48-0	PST-6030
Ronnel (fenchlorphos)	299-84-3	PST-880
Rotenone	83-79-4	PST-890
Ruelene	See crufomate	
Sanmarton	See fenvalerate	
Santophen 20	See PCP	
Sarolex	See diazinon	
Sebuthylazine	7286-69-3	PST-3240
Secbumeton	26259-45-0	PST-1800
Sethoxydim	74051-80-2	PST-5705
Sevin	See carbaryl	
Siduron	1982-49-6	PST-1680
Silvex (2,4,5-TP)	93-72-1	PST-911
Silvex methyl ester	4841-20-7	PST-912
Simazine (primatol)	122-34-9	PST-1130
Simetryn	1014-70-6	PST-1805
Sonar	See fluridone	
Spectracide	See diazinon	
Spinosad	168316-95-8	PST-3735
Spirodiclofen	148477-71-8	PST-3630
Spiromesifen	283594-90-1	PST-3635
Spiroxamine	118134-30-8	PST-2575
Stirofos	See tetrachlorvinphos	
Streptomycin sulfate salt	3810-74-0	PST-4985
Strobane (tech)	8001-50-1	PST-1140
Succinic acid di-*n*-butyl ester	141-03-7	PST-4600

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Sulfaquinoxaline	59-40-5	PST-6845*
Sulfathiazole	72-14-0	PST-6410
Sulfentrazone	122836-35-5	PST-6025
Sulfometuron methyl	74222-97-2	PST-2030
Sulfosulfuron	141776-32-1	PST-6155
Sulfotepp	3689-24-5	PST-1810
Sulfoxide	120-62-7	PST-4560
Sulprophos	35400-43-2	PST-1685
Swep	1918-18-9	PST-1815
Systox	See demeton	
2,4,5-T	93-76-5	PST-930
2,4,5-T butoxyethyl ester	2545-59-7	PST-4905
2,4,5-T *n*-butyl ester	93-79-8	PST-4410
2,4,5-T methyl ester	1928-37-6	PST-931
TCMTB	21564-17-0	PST-5195
TCNB	See tecnazene	
Tebufenozide	112410-23-8	PST-3245
Tebufenpyrad	119168-77-3	PST-2585
Tebupirimphos	96182-53-5	PST-3250
Tebutame	35256-85-0	PST-3255
Tebuthiuron	34014-18-1	PST-1820
Tecnazene (TCNB)	117-18-0	PST-1690
Tedion	See tetradifon	
Teflubenzuron	83121-18-0	PST-3260
Tefluthrin	79538-32-2	PST-2590
Telodrin	297-78-9	PST-3265
Temephos	See abate	
Temik	See aldicarb	
TEPP	107-49-3	PST-3270
Terbacil	5902-51-2	PST-1695
Terbucarb	1918-11-2	PST-6730
Terbumeton	33693-04-8	PST-3280

(Continued)

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Terbutryn	886-50-0	PST-1710
Terbuthylazine	5915-41-3	PST-1705
Terraclor	See quintozene	
Terrazole	See etridiazole	
2,3,4,6-Tetrachlorophenol	58-90-2	PST-950
Tetrachlorvinphos (stirofos)	22248-79-9	PST-1715
Tetraconazole	112281-77-3	PST-2595
Tetradifon (duphar)	116-29-0	PST-960
cis-1,2,3,6-Tetrahydrophthalimide	27813-21-4	PST-2140
Tetramethrin	7696-12-0	PST-2035
Tetramethylthiuram Disulfide	See thiram	
Thiabendazole	148-79-8	PST-1720
Thiacloprid	111988-49-9	PST-3285
Thiamethoxam	153719-23-4	PST-3290
Thiazopyr	117718-60-2	PST-3640
Thidiazuron	51707-55-2	PST-5465
Thifensulfuron methyl	79277-27-3	PST-3300
Thimet	See phorate	
Thiobencarb	28249-77-6	PST-1725
Thiodan	See endosulfan	
Thiodicarb	59669-26-0	PST-3305
Thiometon	640-15-3	PST-2600
Thionazin (zinophos)	297-97-2	PST-1030
Thiophanate methyl	23564-05-8	PST-1730
Thiram (tetramethylthiuram disulfide)	137-26-8	PST-3310
Tilt (propiconazole)	60207-90-1	PST-2040
Tiocarbazil	36756-79-3	PST-3315
Tokuthion	34643-46-4	PST-1825
Tolclofos-methyl	57018-04-9	PST-2605
Tolfenpyrad	129558-76-5	PST-6080
Tolylfluanid	731-27-1	PST-2610
Topramezone	210631-68-8	PST-6250

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Toxaphene (phenacide) (tech)	8001-35-2	PST-970
2,4,5-TP	See silvex	
Tralkoxydim	87820-88-0	PST-5815
Tralomethrin	66841-25-6	PST-3320
Transfluthrine	118712-89-3	PST-5985
Triadimefon	43121-43-3	PST-1830
Triadimenol	55219-65-3	PST-2615
Triallate	2303-17-5	PST-2620
Triasulfuron	82097-50-5	PST-5745
1,2,4-Triazole	288-88-0	PST-6495
Triazophos	24017-47-8	PST-2045
Tribenuron methyl (tech)	101200-48-0	PST-5890
Tribromoacetic acid	75-96-7	PST-3325
Trichlorfon (dylox)	52-68-6	PST-490
Trichloroacetic acid	76-03-9	PST-4290
Trichloronate	327-98-0	PST-1835
2,4,6-Trichlorophenol	88-06-2	PST-980
Triclopyr	55336-06-3	PST-1735
Triclopyr-2-butoxyethyl ester	64700-56-7	PST-5620
Triclopyr methyl ester	60825-26-5	PST-3330
Tricyclazole (beam)	41814-78-2	PST-1840
Trietazine	1912-26-1	PST-3335
O,O,O-Triethyl phosphorothioate	126-68-1	PST-1865
Trifloxystrobin	141517-21-7	PST-2630
Trifloxysulfuron sodium salt	199119-58-9	PST-3980
Triflumizole	68694-11-1	PST-2635
Triflumuron	64628-44-0	PST-3340
Trifluralin	1582-09-8	PST-1740
Triflusulfuron methyl	126535-15-7	PST-2730
Triforine	26644-46-2	PST-3745
2,3,5-Trimethacarb	2655-15-4	PST-2715
Trinexapac	95266-40-3	PST-3985

(Continued)

Pesticides, 95 – 99% Pure

Pesticide	CAS No.	Part No.
Trithion	See carbophenothion	
Unden	See propoxur	
Uniconazole-P	83657-17-4	PST-5775
Vamidothion	2275-23-2	PST-2645
Vapona	See dichlorvos	
Velpar	See hexazinone	
Vegadex	95-06-7	PST-3345
Vernolate	1929-77-7	PST-1745
Vinclozolin	50471-44-8	PST-2050
Warfarin (coumaphene) (tech)	81-81-2	PST-1000
Weedazol	See amitrole	
Zectran	See mexacarbate	
Zineb	12122-67-7	PST-1020
Ziram	137-30-4	PST-1750



PST-1225 (see Page 9)

Tips and tools

Consistent trace-level pesticide analysis with Agilent Ultra Inert GC Columns and Consumables

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Neat Pesticide Kits

Pesticide Standards Kit

Description	Compounds		Vol.	Part No.
Kit, contains 20 vials	Aldrin α-BHC β-BHC δ-BHC *o,p'*-DDD *o,p'*-DDD *o,p'*-DDE *p,p'*-DDE *o,p'*-DDT *p,p'*-DDT	Dieldrin Heptachlor Heptachlor epoxide (B) Lindane (γ-BHC) Malathion Methoxychlor Mirex Parathion Carbaryl (sevin) Toxaphene	1 x 10 mg of each compound	FRSP-180
Kit, contains 15 vials	Aldrin α-BHC β-BHC Dieldrin *o,p'*-DDD *p,p'*-DDD *o,p'*-DDE *p,p'*-DDE	*o,p'*-DDT *p,p'*-DDT Heptachlor Heptachlor epoxide Lindane (γ-BHC) Malathion Parathion	1 x 10 mg of each compound	KPST-102

Tips and tools

To view our entire portfolio of over 7,000 standards, all manufactured under ISO 17025 Guide 34, visit **www.agilent.com/chem/standards**

Neat Pesticide Kits

Solid Waste Pesticides Kit

Description	Compounds		Vol.	Part No.
Kit, contains 6 vials	2,4-D Endrin Lindane (γ-BHC)	Methoxychlor Silvex (2,4,5-TP) Toxaphene	1 x 100 mg of each compound	FRSP-181

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Polynuclear Aromatic Hydrocarbon (PAH) Standards

PAHs are widespread persistent pollutants. Some have toxic or carcinogenic properties. All of these materials are manufactured under the Agilent ISO 9001 quality system. A certificate showing the purity of the compound is available for each standard.

Polynuclear Aromatic Hydrocarbons, 95 – 99% Pure

Compound	Vol.	CAS No.	Part No.
Acenaphthene	100 mg	83-32-9	RAH-001
Acenaphthylene	100 mg	208-96-8	RAH-064
Anthanthrene (dibenzo[*def,mno*]chrysene)	10 mg	191-26-4	RAH-082
Anthracene	100 mg	120-12-7	RAH-002
Azulene	10 mg	275-51-4	RAH-003
Benz[*a*]anthracene (tetraphene)	20 mg	56-55-3	RAH-004
Benzo[*b*]fluoranthene (benz[e]acephenanthrylene)	10 mg	205-99-2	RAH-072
Benzo[*k*]fluoranthene	10 mg	207-08-9	RAH-073
Benzo[*a*]fluorene (1,2-benzofluorene)	10 mg	30777-18-5	RAH-005
Benzo[*b*]fluorene (2,3-benzofluorene)	10 mg	243-17-4	RAH-006
Benzo[*ghi*]perylene (1,12-benzoperylene)	10 mg	191-24-2	RAH-009
Benzo[*a*]pyrene	10 mg	50-32-8	RAH-010
Benzo[*e*]pyrene	10 mg	192-97-2	RAH-081
1,1′-Binaphthyl	50 mg	604-53-5	RAH-012
2,2′-Binaphthyl	50 mg	612-78-2	RAH-013
Biphenyl	500 mg	92-52-4	RPC-001
Chrysene (benzo[*a*]phenanthrene)	100 mg	218-01-9	RAH-007
Coronene	10 mg	191-07-1	RAH-015
4h-Cyclopenta[*def*]phenanthrene (4,5-methylenephenanthrene)	10 mg	203-64-5	RAH-088
Decacyclene	100 mg	191-48-0	RAH-016
Decahydronaphthalene (mixture of isomers)	100 mg	91-17-8	RAH-017
trans-Decahydronaphthalene	100 mg	493-02-7	RAH-075
cis-Decahydronaphthalene	100 mg	493-01-6	RAH-074
Dibenz[*a,c*]anthracene (1,2:3,4-dibenzanthracene)	10 mg	215-58-7	RAH-018
Dibenz[*a,h*]anthracene (1,2:5,6-dibenzanthracene)	10 mg	53-70-3	RAH-019
Dibenzo[*a,l*]pentacene (1,2:8,9-dibenzopentacene)	10 mg	227-09-8	RAH-083

(Continued)

Polynuclear Aromatic Hydrocarbons, 95 – 99% Pure

Compound	Vol.	CAS No.	Part No.
9,10-Dihydroanthracene	100 mg	613-31-0	RAH-021
1,2-Dihydronaphthalene	100 mg	447-53-0	RAH-022
1,4-Dihydronaphthalene	100 mg	612-17-9	RAH-023
Diindeno[1,2,3-*cd*:1′,2′,3′-*lm*]perylene (periflanthene)	5 mg	188-94-3	RAH-084
9,10-Dimethylanthracene	10 mg	781-43-1	RAH-024
7,12-Dimethylbenz[*a*]anthracene	10 mg	57-97-6	RAH-025
2,2′-Dimethylbiphenyl	10 mg	605-39-0	RAH-071
3,3′-Dimethylbiphenyl	20 mg	612-75-9	RAH-062
4,4′-Dimethylbiphenyl	100 mg	613-33-2	RAH-026
1,2-Dimethylnaphthalene	100 mg	573-98-8	RAH-068
1,3-Dimethylnaphthalene	50 mg	575-41-7	RAH-066
1,4-Dimethylnaphthalene	100 mg	571-48-4	RAH-027
1,5-Dimethylnaphthalene	100 mg	571-61-9	RAH-029
1,6-Dimethylnaphthalene	100 mg	575-43-9	RAH-028
2,3-Dimethylnaphthalene	100 mg	581-40-8	RAH-067
2,6-Dimethylnaphthalene	100 mg	581-42-0	RAH-030
2,7-Dimethylnaphthalene	10 mg	582-16-1	RAH-097
3,6-Dimethylphenanthrene	10 mg	1576-67-6	RAH-085
9,10-Diphenylanthracene	100 mg	1499-10-1	RAH-086
1,2-Diphenylethane (bibenzyl)	100 mg	103-29-7	RAH-020
Dodecahydrotriphenylene	100 mg	1610-39-5	RAH-087
Fluoranthene	100 mg	206-44-0	RAH-031
Fluorene	100 mg	86-73-7	RAH-032
9-Fluorenone	100 mg	486-25-9	RAH-033
Indane	100 mg	496-11-7	RAH-065
1,3-Indanedione	100 mg	606-23-5	RAH-034
Indene	100 mg	95-13-6	RAH-035
Indeno[1,2,3-*cd*]pyrene (*o*-phenylenepyrene)	5 mg	193-39-5	RAH-077
1-Methylanthracene	10 mg	610-48-0	RAH-098
2-Methylanthracene	100 mg	613-12-7	RAH-036
9-Methylanthracene	100 mg	779-02-2	RAH-037
2-Methylbiphenyl (2-phenyltoluene)	100 mg	643-58-3	RAH-038
3-Methylbiphenyl (3-phenyltoluene)	100 mg	643-93-6	RAH-039

(Continued)

Polynuclear Aromatic Hydrocarbons, 95 – 99% Pure

Compound	Vol.	CAS No.	Part No.
4-Methylbiphenyl (4-phenyltoluene)	100 mg	644-08-6	RAH-040
3-Methylcholanthrene (20-methylcholanthrene)	10 mg	56-49-5	RAH-041
1-Methylfluorene	100 mg	1730-37-6	RAH-043
1-Methylnaphthalene	500 mg	90-12-0	RAH-044
2-Methylnaphthalene	500 mg	91-57-6	RAH-045
1-Methylphenanthrene	10 mg	832-69-9	RAH-046
Naphthacene (benz[*b*]anthracene,tetracene)	10 mg	92-24-0	RAH-078
Naphthalene	100 mg	91-20-3	RAH-080
Pentacene	10 mg	135-48-8	RAH-049
Perylene	10 mg	198-55-0	RAH-050
Phenanthrene	100 mg	85-01-8	RAH-051
9-Phenylanthracene	100 mg	602-55-1	RAH-089
1-Phenylnaphthalene	100 mg	605-02-7	RAH-099
Pyrene (benzo[*def*]phenanthrene)	100 mg	129-00-0	RAH-008
p-Quaterphenyl	100 mg	135-70-6	RAH-054
m-Quinquephenyl	10 mg	16716-13-5	RAH-063
p-Quinquephenyl	10 mg	3073-05-0	RAH-100
Rubrene	10 mg	517-51-1	RAH-055
o-Terphenyl	100 mg	84-15-1	RAH-056
m-Terphenyl	100 mg	92-06-8	RAH-057
p-Terphenyl	100 mg	92-94-4	RAH-058
1,2,3,4-Tetrahydrofluoranthene	10 mg	42429-92-5	RAH-091
1,2,3,4-Tetrahydronaphthalene (tetralin)	100 mg	119-64-2	RAH-079
1,2,3,4-Tetraphenylnaphthalene	10 mg	751-38-2	RAH-092
2,3,5-Trimethylnaphthalene	10 mg	2245-38-7	RAH-069
Triphenylene (9,10-benzophenanthrene)	10 mg	217-59-4	RAH-059
Triptycene	10 mg	477-75-8	RAH-060
Truxene	100 mg	548-35-6	RAH-061



FLSA-054 (see Page 28)

Lipid Standards

Lipid Standards, 99% Pure

Compound	Vol.	CAS No.	Part No.
Acetic acid (ethanoic acid)	1 gm	64-19-7	FLSA-001
Acetic acid methyl ester (methyl acetate)	1 gm	79-20-9	FLSA-016
Adipic acid	See hexanedioic acid		
Arachidic acid	See eicosanoic acid		
Arachidonic acid	100 mg	506-32-1	FLSA-098
Arachidonic acid methyl ester	100 mg	2566-89-4	FLSA-107
Azelaic acid	See nonanedioic acid		
Behenic acid	See docosanoic acid		
Butanedioic acid (succinic acid)	1 gm	110-15-6	FLSA-115
Butanedioic acid dimethyl ester	1 gm	106-65-0	FLSA-132
Butanoic acid (butyric acid)	1 gm	107-92-6	FLSA-002
Butanoic acid methyl ester	1 gm	623-42-7	FLSA-017
Capric acid	See decanoic acid		
Caproic acid	See hexanoic acid		
Caprylic acid	See octanoic acid		
Cerotic acid	See hexacosanoic acid		
Decanedioic acid (sebacic acid)	500 mg	111-20-6	FLSA-121
Decanedioic acid dimethyl ester	500 mg	106-79-6	FLSA-138
Decanoic acid (capric acid)	1 gm	334-48-5	FLSA-005
Decanoic acid methyl ester	1 gm	110-42-9	FLSA-020
Docosahexaenoic acid (98%)	100 mg	6217-54-5	FLSA-100
Docosahexaenoic acid methyl ester	100 mg	301-01-9	FLSA-109
Docosanoic acid (behenic acid)	1 gm	112-85-6	FLSA-011
1-Docosanol (behenyl alcohol)	100 mg	661-19-8	FLMS-018
Dodecanoic acid (lauric acid)	1 gm	143-07-7	FLSA-006
Dodecanoic acid methyl ester	1 gm	111-82-0	FLSA-021
11,14-Eicosadienoic acid	100 mg	2091-39-6	FLSA-091
11,14-Eicosadienoic acid methyl ester	100 mg	205671	FLSA-094
Eicosanoic acid (arachidic acid)	1 gm	506-30-9	FLSA-010

Lipid Standards, 99% Pure

Compound	Vol.	CAS No.	Part No.
Eicosanoic acid methyl ester	1 gm	1120-28-1	FLSA-025
1-Eicosanol (arachidyl alcohol)	500 mg	629-96-9	FLMS-016
11,14,17-Eicosatrienoic acid	100 mg	2091-27-2	FLSA-097
11,14,17-Eicosatrienoic acid methyl ester	100 mg	55682-88-7	FLSA-106
11-Eicosenoic acid	100 mg	5561-99-9	FLSA-072
11-Eicosenoic acid methyl ester	100 mg	179215	FLSA-086
Elaidic acid	100 mg	112-79-8	FLSA-066
Elaidic acid methyl ester	100 mg	2462-84-2	FLSA-080
Erucic acid	100 mg	112-86-7	FLSA-073
Erucic acid methyl ester	100 mg	1120-34-9	FLSA-087
Ethanedioic acid (oxalic acid)	1 gm	6153-56-6	FLSA-113
Ethanedioic acid dimethyl ester	1 gm	553-90-2	FLSA-130
Ethanoic acid (acetic acid)	See acetic acid		
Formic acid (methanoic acid)	1 gm	64-18-6	FLSA-031
Formic acid methyl ester (methyl formate)	1 gm	107-31-3	FLSA-046
Hendecanoic acid (undecylic acid)	100 mg	112-37-8	FLSA-036
Hendecanoic acid methyl ester	100 mg	1731-86-8	FLSA-051
Heneicosanoic acid	100 mg	2363-71-5	FLSA-041
Heneicosanoic acid methyl ester	100 mg	6064-90-0	FLSA-056
1-Heneicosanol	100 mg	15594-90-8	FLMS-017
Heptacosanoic acid methyl ester	50 mg	55682-91-2	FLSA-059
1-Heptacosanol	50 mg	2004-39-9	FLMS-023
Heptadecanoic acid (margaric acid)	100 mg	506-12-7	FLSA-039
Heptadecanoic acid methyl ester	100 mg	1731-92-6	FLSA-054
1-Heptadecanol	100 mg	1454-85-9	FLMS-013
Heptanedioic acid (pimelic acid)	1 gm	111-16-0	FLSA-118
Heptanedioic acid dimethyl ester	1 gm	1732-08-7	FLSA-135
Heptanoic acid (heptylic acid)	100 mg	111-14-8	FLSA-034
Heptanoic acid methyl ester	100 mg	106-73-0	FLSA-049

(Continued)

Lipid Standards, 99% Pure

Compound	Vol.	CAS No.	Part No.
Heptylic acid	See heptanoic acid		
Hexacosanoic acid (cerotic acid)	100 mg	506-46-7	FLSA-013
Hexacosanoic acid methyl ester	100 mg	5802-82-4	FLSA-028
1-Hexacosanol (cerotyl alcohol)	50 mg	506-52-5	FLMS-022
Hexadecanoic acid (palmitic acid)	1 gm	57-10-3	FLSA-008
Hexadecanoic acid methyl ester	1 gm	112-39-0	FLSA-023
1-Hexadecanol (cetyl alcohol)	1 gm	36653-82-4	FLMS-012
Hexanedioic acid (adipic acid)	1 gm	124-04-9	FLSA-117
Hexanedioic acid dimethyl ester	1 gm	627-93-0	FLSA-134
Hexanoic acid (caproic acid)	1 gm	142-62-1	FLSA-003
Hexanoic acid methyl ester	1 gm	106-70-7	FLSA-018
Isoarachidic acid	See 18-methylnonadecanoic acid		
Isocapric acid	See 8-methylnonanoic acid		
Isocaproic acid	See 4-methylpentanoic acid		
Isocaprylic acid	See 6-methylheptanoic acid		
Isolauric acid	See 10-methylhendecanoic acid		
Isopalmitic acid	See 14-methylpentadecanoic acid		
Isostearic acid	See 16-methylheptadecanoic acid		
Lauric acid	See dodecanoic acid		
Lignoceric acid	See tetracosanoic acid		
Linoleic acid	100 mg	60-33-3	FLSA-089
Linoleic acid methyl ester	100 mg	112-63-0	FLSA-092
Linolelaidic acid	100 mg	506-21-8	FLSA-090
Linolelaidic acid methyl ester	100 mg	2566-97-4	FLSA-093
Linolenic acid	100 mg	463-40-1	FLSA-095
Linolenic acid methyl ester	100 mg	301-00-8	FLSA-104
γ-Linolenic acid	100 mg	506-26-3	FLSA-096
γ-Linolenic acid methyl ester	100 mg	16326-32-2	FLSA-105
Homo γ-Linolenic acid	100 mg	1783-84-2	FLSA-147
Homo γ-Linolenic acid methyl ester	100 mg	21061-10-9	FLSA-148
Malonic acid	See propanedioic acid		
Margaric acid	See heptadecanoic acid		
Mellisic acid	See triacontanoic acid		

Lipid Standards, 99% Pure

Compound	Vol.	CAS No.	Part No.
Methanoic acid	See formic acid		
Methyl acetate	See acetic acid methyl ester		
2-Methylbutanoic acid (anteisovaleric acid)	50 mg	116-53-0	FLBA-021
2-Methylbutanoic acid methyl ester	50 mg	868-57-5	FLBA-030
18-Methyleicosanoic acid methyl ester	25 mg	–	FLBA-038
10-Methylhendecanoic acid (isolauric acid)	50 mg	2724-56-3	FLBA-004
10-Methylhendecanoic acid methyl ester	50 mg	–	FLBA-014
16-Methylheptadecanoic acid (isostearic acid)	10 mg	2724-58-5	FLBA-007
16-Methylheptadecanoic acid methyl ester	10 mg	5129-61-3	FLBA-017
6-Methylheptanoic acid (isocaprylic acid)	50 mg	929-10-2	FLBA-002
6-Methylheptanoic acid methyl ester	50 mg	–	FLBA-012
14-Methylhexadecanoic acid (anteisomargaric acid)	10 mg	5918-29-6	FLBA-027
14-Methylhexadecanoic acid methyl ester	10 mg	2490-49-5	FLBA-036
4-Methylhexanoic acid (anteisoheptylic acid)	50 mg	–	FLBA-022
4-Methylhexanoic acid methyl ester	50 mg	–	FLBA-031
18-Methylnonadecanoic acid (isoarachidic acid)	25 mg	6250-72-2	FLBA-008
18-Methylnonadecanoic acid methyl ester	25 mg	65301-91-9	FLBA-018
8-Methylnonanoic acid (isocapric acid)	50 mg	5963-14-4	FLBA-003
8-Methylnonanoic acid methyl ester	50 mg	–	FLBA-013
16-Methyloctadecanoic acid (anteisononadecylic acid)	25 mg	–	FLBA-028
14-Methylpentadecanoic acid (isopalmitic acid)	10 mg	1011396	FLBA-006
14-Methylpentadecanoic acid methyl ester	10 mg	5129-60-2	FLBA-016
4-Methylpentanoic acid (isocaproic acid)	50 mg	646-07-1	FLBA-001
4-Methylpentanoic acid methyl ester	50 mg	2412-80-8	FLBA-011

(Continued)

Lipid Standards, 99% Pure

Compound	Vol.	CAS No.	Part No.
Methyl phytanate	See phytanic acid methyl ester		
12-Methyltetradecanoic acid (anteisopentadecylic acid)	10 mg	5502-94-3	FLBA-026
12-Methyltetradecanoic acid methyl ester	10 mg	–	FLBA-035
12-Methyltridecanoic acid methyl ester	10 mg	5129-58-8	FLBA-015
Montanic acid	See octacosanoic acid		
Myristic acid	See tetradecanoic acid		
Myristoleic acid	100 mg	544-64-9	FLSA-062
Myristoleic acid methyl ester	100 mg	124-10-7	FLSA-076
Nervonic acid	100 mg	506-37-6	FLSA-074
Nervonic acid methyl ester	100 mg	2733-88-2	FLSA-088
Nonadecanoic acid (nonadecylic acid)	100 mg	646-30-0	FLSA-040
Nonadecanoic acid methyl ester	100 mg	1731-94-8	FLSA-055
1-Nonadecanol	100 mg	1454-84-8	FLMS-015
Nonadecylic acid	See nonadecanoic acid		
Nonanedioic acid (azelaic acid)	500 mg	123-99-9	FLSA-120
Nonanedioic acid dimethyl ester	500 mg	1732-10-1	FLSA-137
Nonanoic acid (pelargonic acid)	100 mg	112-05-0	FLSA-035
Nonanoic acid methyl ester	100 mg	1731-84-6	FLSA-050
Octacosanoic acid (montanic acid)	100 mg	506-48-9	FLSA-014
Octacosanoic acid methyl ester	100 mg	55682-92-3	FLSA-029
1-Octacosanol (montanyl alcohol)	50 mg	557-61-9	FLMS-024
Octadecanedioic acid	50 mg	871-70-5	FLSA-127
Octadecanedioic acid dimethyl ester	50 mg	1472-93-1	FLSA-144
Octadecanoic acid (stearic acid)	1 gm	57-11-4	FLSA-009
Octadecanoic acid methyl ester	1 gm	112-61-8	FLSA-024
1-Octadecanol (stearyl alcohol)	1 gm	112-92-5	FLMS-014
cis-11-Octadecenoic acid	100 mg	506-17-2	FLSA-067
cis-11-Octadecenoic acid methyl ester	100 mg	1937-63-9	FLSA-081

Lipid Standards, 99% Pure

Compound	Vol.	CAS No.	Part No.
trans-11-Octadecenoic acid (vaccenic acid)	100 mg	693-72-1	FLSA-068
trans-11-Octadecenoic acid methyl ester	100 mg	6198-58-9	FLSA-082
Octanedioic acid (suberic acid)	500 mg	505-48-6	FLSA-119
Octanedioic acid dimethyl ester	500 mg	1732-09-8	FLSA-136
Octanoic acid (caprylic acid)	1 gm	124-07-2	FLSA-004
Octanoic acid methyl ester	1 gm	111-11-5	FLSA-019
Oleic acid	100 mg	112-80-1	FLSA-065
Oleic acid methyl ester	100 mg	112-62-9	FLSA-079
Oxalic acid	See ethanedioic acid		
Palmitelaidic acid	100 mg	10030-73-6	FLSA-064
Palmitelaidic acid methyl ester	100 mg	10030-74-7	FLSA-078
Palmitic acid	See hexadecanoic acid		
Palmitoleic acid	100 mg	373-49-9	FLSA-063
Palmitoleic acid methyl ester	100 mg	1120-25-8	FLSA-077
Pelargonic acid	See nonanoic acid		
Pentacosanoic acid methyl ester	50 mg	55373-89-2	FLSA-058
1-Pentacosanol	50 mg	26040-98-2	FLMS-021
Pentadecanoic acid (pentadecylic acid)	100 mg	1002-84-2	FLSA-038
Pentadecanoic acid methyl ester	100 mg	7132-64-1	FLSA-053
Pentadecylic acid	See pentadecanoic acid		
Pentanoic acid (valeric acid)	100 mg	109-52-4	FLSA-033
Pentanoic acid methyl ester	100 mg	624-24-8	FLSA-048
Petroselinic acid	100 mg	593-39-5	FLSA-071
Petroselinic acid methyl ester	100 mg	2777-58-4	FLSA-085
Phytanic acid (3,7,11,15-tetramethylhexadecanoic acid)	25 mg	14721-66-5	FLBA-042
Phytanic acid methyl ester (methyl phytanate)	25 mg	1118-77-0	FLBA-043
Phytol (3,7,11,15-tetramethyl-2-hexadecen-1-ol) (tech)	1 gm	7541-49-3	FLMS-035
Pimelic acid	See heptanedioic acid		

(Continued)

Lipid Standards, 99% Pure

Compound	Vol.	CAS No.	Part No.
Propanedioic acid (malonic acid)	1 gm	141-82-2	FLSA-114
Propanedioic acid dimethyl ester	1 gm	108-59-8	FLSA-131
Propanoic acid (propionic acid)	1 gm	79-09-4	FLSA-032
Propanoic acid methyl ester	1 gm	554-12-1	FLSA-047
Ricinelaidic acid methyl ester	100 mg	2120605	FLSA-084
Ricinoleic acid	100 mg	141-22-0	FLSA-069
Ricinoleic acid methyl ester	100 mg	141-24-2	FLSA-083
Sebacic acid	See decanedioic acid		
Stearic acid	See octadecanoic acid		
Suberic acid	See octanedioic acid		
Succinic acid	See butanedioic acid		
Tetracosanoic acid (lignoceric acid)	100 mg	557-59-5	FLSA-012
Tetracosanoic acid methyl ester	100 mg	2442-49-1	FLSA-027
1-Tetracosanol (lignoceryl alcohol)	50 mg	506-51-4	FLMS-020
Tetradecanedioic acid	100 mg	821-38-5	FLSA-125
Tetradecanedioic acid dimethyl ester	100 mg	5024-21-5	FLSA-142

Lipid Standards, 99% Pure

Compound	Vol.	CAS No.	Part No.
Tetradecanoic acid (myristic acid)	1 gm	544-63-8	FLSA-007
Tetradecanoic acid methyl ester	1 gm	124-10-7	FLSA-022
1-Tetradecanol (myristyl alcohol)	1 gm	112-72-1	FLMS-010
3,7,11,15-Tetramethylhexadecanoic acid	See phytanic acid		
3,7,11,15-Tetramethyl-2-hexadecen-1-ol	See phytol		
Triacontanoic acid (mellisic acid)	100 mg	506-50-3	FLSA-015
Triacontanoic acid methyl ester	100 mg	629-83-4	FLSA-030
1-triacontanol (melissyl alcohol)	50 mg	593-50-0	FLMS-026
Tricosanoic acid methyl ester	100 mg	2433-97-8	FLSA-057
1-Tricosanol	100 mg	450350	FLMS-019
Tridecanoic acid (tridecylic acid)	100 mg	638-53-9	FLSA-037
Tridecanoic acid methyl ester	100 mg	1731-88-0	FLSA-052
Tridecylic acid	See tridecanoic acid		
Undecylic acid	See hendecanoic acid		
Vaccenic acid	See *trans*-11-octadecenoic acid		
Valeric acid	See pentanoic acid		

Tips and tools

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Lipid Kits

Even Carbon Straight Chain Fatty Acids and Methyl Esters Kit

Description	Compounds			Vol.	Part No.
		Fatty Acids	Methyl Esters		
Kit, contains 20 vials	C_6	Caproic acid	Methyl caproate	1 x 100 mg of each compound (unless otherwise indicated)	FLPK-004
	C_8	Caprylic acid	Methyl caprylate		
	C_{10}	Capric acid	Methyl caprate		
	C_{12}	Lauric acid	Methyl laurate		
	C_{14}	Myristic acid	Methyl myristate		
	C_{16}	Palmitic acid	Methyl palmitate		
	C_{18}	Stearic acid	Methyl stearate		
	C_{20}	Arachidic acid	Methyl arachidate		
	C_{22}	Behenic acid	Methyl behenate		
	C_{24}	Lignoceric acid (25 mg)	Methyl lignocerate (25 mg)		

Odd Carbon Straight Chain Fatty Acids and Methyl Esters Kit

Description	Compounds			Vol.	Part No.
		Fatty Acids	Methyl Esters		
Kit, contains 16 vials	C_9	Nonanoic	Methyl nonanoate	1 x 25 mg of each compound	FLPK-003
	C_{11}	Undecanoic acid	Methyl undecanoate		
	C_{13}	Tridecanoic acid	Methyl tridecanoate		
	C_{15}	Pentadecanoic acid	Methyl pentadecanoate		
	C_{17}	Heptadecanoic acid	Methyl heptadecanoate		
	C_{19}	Nonadecanoic acid	Methyl nonadecanoate		
	C_{21}	Heneicosanoic acid	Methyl heneicosanoate		
	C_{23}	Tricosanoic acid	Methyl tricosanoate		

Tips and tools

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Volatile Fatty Acids Kit

Description	Compounds		Vol.	Part No.
Kit, contains 11 vials and 1 x 0.1% acids test solution, C1 -C5, in H_2O, 5 mL	C_1	Formic acid (methanoic acid)	1 x 1 gm of each compound	FLPK-005
	C_2	Acetic acid (ethanoic acid)		
	C_3	Propionic acid (propanoic acid)		
	C_4	Butyric acid (butanoic acid)		
	C_4	Isobutyric acid		
	C_5	Valeric acid (pentanoic acid)		
	C_5	Isovaleric acid		
	C_6	Caproic acid (hexanoic acid)		
	C_7	Heptylic acid (heptanoic acid)		
	C_8	Caprylic acid (octanoic acid)		

Tips and tools

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Unsaturated Fatty Acids and Methyl Esters Kit

Description	Compounds			
Kit, contains 20 vials	Fatty acids:		1 x 25 mg of each compound	FLPK-001
	$C_{14}^{1=}$	*cis*-9-Tetradecenoic acid (myristoleic acid)		
	$C_{16}^{1=}$	*cis*-9-Hexadecenoic acid (palmitoleic acid)		
	$C_{16}^{1=}$	*trans*-9-Hexadecenoic acid (palmitelaidic acid)		
	$C_{18}^{1=}$	*cis*-9-Octadecenoic acid (oleic acid)		
	$C_{18}^{1=}$	*trans*-9-Octadecenoic acid (elaidic acid)		
	$C_{18}^{2=}$	*cis*-9-*cis*-12-Octadecadienoic acid (linoleic acid)		
	$C_{18}^{2=}$	*trans*-9-*trans*-12-Octadecadienoic acid (linolelaidic acid)		
	$C_{18}^{3=}$	*cis*-9-*cis*-12-*cis*-15-Octadecatrienoic acid (linolenic acid)		
	$C_{20}^{1=}$	*cis*-11-Eicosenoic acid (gondonic acid)		
	$C_{22}^{1=}$	*cis*-13-Docosenoic acid (erucic acid)		
	Methyl esters:			
	$C_{14}^{1=}$	Methyl *cis*-9-tetradecenoate (methyl myristoleate)		
	$C_{16}^{1=}$	Methyl *cis*-9-hexadecenoate (methyl palmitoleate)		
	$C_{16}^{1=}$	Methyl *trans*-9-hexadecenoate (methyl palmitelaidate)		
	$C_{18}^{1=}$	Methyl *cis*-9-octadecenoate (methyl oleate)		
	$C_{18}^{1=}$	Methyl *trans*-9-octadecenoate (methyl elaidate)		
	$C_{18}^{1=}$	Methyl *cis*-9-*cis*-12-octadecadienoate (methyl linoleate)		
	$C_{18}^{2=}$	Methyl *trans*-9-*cis*-12-octadecadienoate (methyl linolelaidate)		
	$C_{18}^{3=}$	Methyl *cis*-9-*cis*-12-*cis*-15-octadecatrienoate (methyl linolenate)		
	$C_{20}^{1=}$	Methyl *cis*-11-eicosenoate (methyl gondonate)		
	$C_{22}^{1=}$	Methyl *cis*-13-docosenoate (methyl erucate)		

Tips and tools

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