



PHTHALATES / PLASTICIZERS REFERENCE MATERIAL

Edition 1



PHTHALATES / PLASTICIZERS

Phthalates are found everywhere. As a chemist you can hardly do an analysis without detecting them.

Phthalates and other plasticizers are used in vinyl products of everyday use to make them flexible. Plasticizers are one of those everyday miracles that have made the life easier for all of us. Vinyl polymers like PVC are hard and rigid substances, but thanks to the plasticizers they behave in a soft and flexible way when we buy them as finished products.

The annual consumption of plasticizers is in the order of 8 million metric tons. Approximately 80 % of all phthalates are used as plasticizers, and 70 % of all plasticizers used are phthalates. Nearly 90 % of all phthalates are used in vinyl plastic products.

As with several other industrial wonders, the phthalates are now associated with several health concerns, and guidelines on their use are enforced by governmental and international restrictions worldwide.



The scope of this catalogue:

Most common plasticizers are listed. Chiron offers both technical products (techn.), purified or specifically synthesized variants with purity normally above 98 %. We also offer mixes according to international methods or customized for our clients.

Mixed phthalates:

Mixed phthalates are phthalates with two different esters groups. These are offered as several of the symmetric esters are controlled and banned.

Traditional esterification methods leads to extensive transesterification. Chiron proprietary technology allows the synthesis of pure mixed phthalates without and ester transfer from one to another. Chiron is now offering a large number of mixed esters for checking the products for validity. Mixed esters are offered in this catalogue.

Internal standards:

Chiron offers a large range of deuterated standards. New internal standards are available at reasonable cost through custom synthesis.

Metabolites:

Phthalates are metabolized both, in vivo and in vitro, to monoesters and to metabolites where one or both of the ester groups are oxidized to various oxygen-containing products.

Phthalate mixtures:

Phthalate mixes are based on international methods and customer requirements.



CONTENTS



Introduction

Single compounds

- Deuterium labelled diphthalates (symmetric and mixed esters)	5
- Phthalates, symmetric and native	8
- Mixed phthalate esters	11
- Oxygen containing chained phthalates	13
- Deuterium labelled monophthalate esters (metabolites)	14
- Monophthalate esters (metabolites)	15
- Cyclohexane-1,2-dicarboxylic acid esters (Hexahydrophthalates)	16
- Adipates (linear C6-dicarboxylic esters)	17
- Industrial (technical) phthalates (also listed above)	18
- Phthalate based flame retardants	19

Phthalate mixes

- EPA 505, Phthalate and adipate esters in drinking water	20
- EPA 506, Phthalate esters in waste water	21
- EPA 8061A, Phthalate Esters in Sludge Matrices	22
- Phthalate calibration mixes	22
- Deuterated phthalate mixes (IS-mixes)	24
- Mixes of technical phthalate products	26
- Miscellaneous surfactant mixes, 2 to 20 compounds	27

Phthalates / Plasticizers Single Compounds

Deuterium labelled diphtalates (symmetric and mixed esters)

Catalogue No.	Structure	Name (Abbreviation)	MW	CAS No.	Conc.	Solvent	Volume
Deuterium labelled phthalates (symmetric and mixed esters):							
2478.10-100-IO		Dimethyl phthalate-3,4,5,6-d4 (DMP-d4)	198.21	93951-89-4	100 µg/mL	isooctane	1 mL
2478.10-100-IOx5					100 µg/mL	isooctane	5 x 1 mL
2478.10-K-IO					1000 µg/mL	isooctane	1 mL
2478.10-10MG					neat	neat	10 mg
12322.10-100-IO		Dimethyl-d6 phthalate (DMP-d6)	200.22	85448-30-2	100 µg/mL	isooctane	1 mL
12322.10-K-IO					1000 µg/mL	isooctane	1 mL
12322.10-10MG					neat	neat	10 mg
12323.10-K-IO		Dimethyl terephthalate-2,3,5,6-d4	198.21	74079-01-9	1000 µg/mL	isooctane	1 mL
12323.10-10MG					neat	neat	10 mg
12324.10-K-IO		Dimethyl isophthalate-2,4,5,6-d4	198.21	1007509-57-0	1000 µg/mL	isooctane	1 mL
12324.10-10MG					neat	neat	10 mg
12325.10-100-IO		Dimethyl-d6 tetrachloroterephthalate	338.00	350818-66-5	100 µg/mL	isooctane	1 mL
12325.10-K-IO					1000 µg/mL	isooctane	1 mL
12325.10-10MG					neat	neat	10 mg
2892.12-100-IO		Diethyl phthalate-3,4,5,6-d4 (DEP-d4)	226.27	93952-12-6	100 µg/mL	isooctane	1 mL
2892.12-K-IO					1000 µg/mL	isooctane	1 mL
2892.12-10MG					neat	neat	10 mg
12326.12-100-IO		Diethyl phthalate-d14	236.33	99873-99-1	100 µg/mL	isooctane	1 mL
12326.12-K-IO					1000 µg/mL	isooctane	1 mL
12326.12-10MG					neat	neat	10 mg
9365.14-100-IO		Di-n-propyl phthalate-3,4,5,6-d4 (DPrP-d4)	254.32	358731-29-0	100 µg/mL	isooctane	1 mL
9365.14-K-IO					1000 µg/mL	isooctane	1 mL
9365.14-K-IO10					1000 µg/mL	isooctane	10 mL
9365.14-10MG					neat	neat	10 mg
12327.14-100-IO		Diisopropyl phthalate-3,4,5,6-d4 (DiPrP-d4)	254.32	605-45-8 (unlabelled)	100 µg/mL	isooctane	1 mL
12327.14-K-IO					1000 µg/mL	isooctane	1 mL
12327.14-10MG					neat	neat	10 mg
2479.16-100-IO		Di-n-butyl phthalate-3,4,5,6-d4 (DBP-d4)	282.38	93952-11-5	100 µg/mL	isooctane	1 mL
2479.16-100-IOx5					100 µg/mL	isooctane	5 x 1 mL
2479.16-K-IO					1000 µg/mL	isooctane	1 mL
2479.16-K-IOx5					1000 µg/mL	isooctane	5 x 1 mL
2479.16-10MG					neat	neat	10 mg
12328.16-100-IO		Di-n-butyl phthalate-d22 (DBP-d22)	300.48	358731-15-4	100 µg/mL	isooctane	5 x 1 mL
12828.16-K-IO					1000 µg/mL	isooctane	5 x 1 mL
12328.16-10MG					neat	neat	10 mg
3123.16-100-IO		Diisobutyl phthalate-3,4,5,6-d4 (DiBP-d4)	282.37	358730-88-8	100 µg/mL	isooctane	1 mL
3123.16-100-IOx5					100 µg/mL	isooctane	5 x 1 mL
3123.16-K-IO					1000 µg/mL	isooctane	1 mL
3123.16-K-IOx5					1000 µg/mL	isooctane	5 x 1 mL
3123.16-10MG					neat	neat	10 mg
9926.16-100-IO		n-Butylisobutyl phthalate-3,4,5,6-d4. n-Butyl-2-methylpropyl phthalate-3,4,5,6-d4	282.38	N/A	100 µg/mL	isooctane	1 mL
9926.16-K-IO					1000 µg/mL	isooctane	1 mL
2893.18-100-IO		Di-n-pentyl phthalate-3,4,5,6-d4 (DPP-d4)	310.43	358730-89-9	100 µg/mL	isooctane	1 mL
2893.18-100-HX					100 µg/mL	hexane	1 mL
2893.18-K-IO					1000 µg/mL	isooctane	1 mL
2893.18-10MG					neat	neat	10 mg

Phthalates / Plasticizers Single Compounds



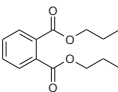
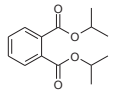
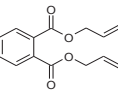
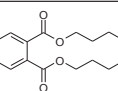
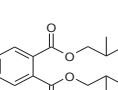
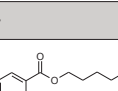
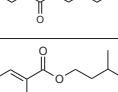
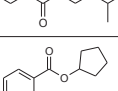
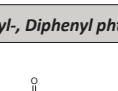
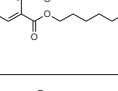
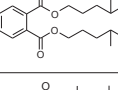
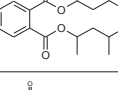
Catalogue No.	Structure	Name (Abbreviation)	MW	CAS No.	Conc.	Solvent	Volume
12329.18-100-IO		Diisopentyl phthalate-3,4,5,6-d4 (DiPP-d4)	310.43	1346597-80-5	100 µg/mL	isooctane	1 mL
12329.18-K-IO					1000 µg/mL	isooctane	1 mL
12329.18-10MG					neat	neat	10 mg
9925.18-100-IO		n-Pentylisopentyl phthalate-3,4,5,6-d4 (n-Pentyl-3-methylbutyl phthalate-3,4,5,6-d4)	310.43	N/A	100 µg/mL	isooctane	1 mL
9925.18-K-IO					1000 µg/mL	isooctane	1 mL
3125.18-100-IO		Benzyl-n-butyl phthalate-3,4,5,6-d4 (BBP-d4)	316.39	93951-88-3	100 µg/mL	isooctane	1 mL
3125.18-100-IOx5					100 µg/mL	isooctane	5 x 1 mL
3125.18-K-IO					1000 µg/mL	isooctane	1 mL
3125.18-K-IOx5					1000 µg/mL	isooctane	5 x 1 mL
3125.18-10MG					neat	neat	10 mg
12330.20-100-IO		Di-n-hexyl phthalate-3,4,5,6-d4 (DHP-d4)	338.48	1015854-55-3	100 µg/mL	isooctane	1 mL
12330.20-K-IO					1000 µg/mL	isooctane	1 mL
12330.20-10MG					neat	neat	10 mg
10144.20-100-IO		Bis(4-methyl-2-pentyl) phthalate-3,4,5,6-d4	338.48	1398066-13-1	100 µg/mL	isooctane	1 mL
10144.20-K-IO					1000 µg/mL	isooctane	1 mL
10144.20-10MG					neat	neat	10 mg
12331.20-100-IO		Di-n-phenyl phthalate-3,4,5,6-d4	322.35	1398065-61-6	100 µg/mL	isooctane	1 mL
12331.20-K-ME					1000 µg/mL	isooctane	1 mL
12331.20-10MG					neat	neat	10 mg
9366.20-100-IO		Dicyclohexyl phthalate-3,4,5,6-d4 (DCHP-d4)	334.56	358731-25-6	100 µg/mL	isooctane	1 mL
9366.20-100-EA					100 µg/mL	isooctane	1 mL
9366.20-K-IO					1000 µg/mL	isooctane	1 mL
9366.20-10MG					neat	neat	10 mg
12730.20-100-IO		n-Butyl n-octyl phthalate-3,4,5,6-d4	338.47	84-78-6 (native)	100 µg/mL	isooctane	1 mL
12730.20-K-IO					1000 µg/mL	isooctane	1 mL
12730.20-10MG					neat	neat	10 mg
12332.22-100-IO		Di-n-heptyl phthalate-3,4,5,6-d4	366.53	358731-41-6	100 µg/mL	isooctane	1 mL
12332.22-K-IO					1000 µg/mL	isooctane	1 mL
12332.22-10MG					neat	neat	10 mg
12333.22-100-IO		Bis(5-methyl-1-hexyl) phthalate-3,4,5,6-d4	366.53	41451-28-9 (unlabelled)	100 µg/mL	isooctane	1 mL
12333.22-K-IO					1000 µg/mL	isooctane	1 mL
12333.22-10MG					neat	neat	10 mg
12334.22-100-IO		Dibenzyl phthalate-3,4,5,6-d4	350.41	1015854-62-2	100 µg/mL	isooctane	1 mL
12334.22-K-IO					1000 µg/mL	isooctane	1 mL
12334.22-10MG					neat	neat	10 mg
2361.24-100-IO		Di-n-octyl phthalate-3,4,5,6-d4 (DnOP-d4)	394.59	93952-13-7	100 µg/mL	isooctane	1 mL
2361.24-100-IOx5					100 µg/mL	isooctane	5 x 1 mL
2361.24-K-IO					1000 µg/mL	isooctane	1 mL
2361.24-K-IOx5					1000 µg/mL	isooctane	5 x 1 mL
2361.24-10MG					neat	neat	10 mg
2894.24-K-IO		Bis(2-ethyl-1-hexyl) phthalate-3,4,5,6-d4 (DEHP-d4)	394.59	93951-87-2	1000 µg/mL	isooctane	1 mL
2894.24-K-IOx5					1000 µg/mL	isooctane	5 x 1 mL
2894.24-10MG					neat	neat	10 mg
2894.24-250MG					neat	neat	250 mg
12336.24-100-IO		Bis(2-ethyl-1-hexyl) phthalate-d38 (DEHP-D38)	428.79	352431-42-6	100 µg/mL	isooctane	1 mL
12336.24-K-IO					1000 µg/mL	isooctane	1 mL
12336.24-10MG					neat	neat	10 mg
12337.24-100-IO		Bis(6-methyl-1-heptyl) phthalate-3,4,5,6-d4 (Diisooctyl phthalate-d4)	394.59	131-20-4 (unlabelled)	100 µg/mL	isooctane	1 mL
12337.24-K-IO					1000 µg/mL	isooctane	1 mL
12337.24-10MG					neat	neat	10 mg
12335.26-100-IO		Di-n-nonyl phthalate-3,4,5,6-d4	422.64	1202865-43-7	100 µg/mL	isooctane	1 mL
12335.26-K-IO					1000 µg/mL	isooctane	1 mL
12335.26-10MG					neat	neat	10 mg

Phthalates / Plasticizers Single Compounds

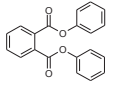
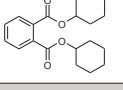
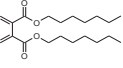
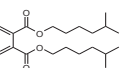
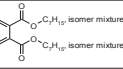

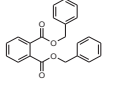
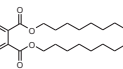
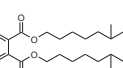
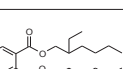
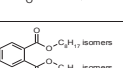
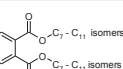
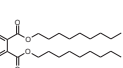
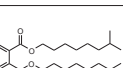
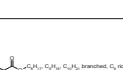

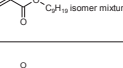
Catalogue No.	Structure	Name (Abbreviation)	MW	CAS No.	Conc.	Solvent	Volume
12338.26-100-ME		Bis(7-methyl-1-octyl) phthalate-3,4,5,6-d4 (Diisononyl phthalate-d4)	422.64	1332965-90-8	100 µg/mL	isooctane	1 mL
12338.26-K-IO					1000 µg/mL	isooctane	1 mL
12338.26-10MG					neat	neat	10 mg
11066.26-100-ME		Diisononyl phthalate-3,4,5,6-d4 (Bis(8-methyl-1-octyl) phthalate-3,4,5,6-d4) (DINP-d4)	422.64	1332965-90-8	100 µg/mL	methanol	1 mL
11066.26-K-ME					1000 µg/mL	methanol	1 mL
11066.26-10MG					neat	neat	10 mg
10588.28-100-IO		Di-n-decyl phthalate-3,4,5,6-d4 (DDcP-d4)	450.69	1276197-18-2	100 µg/mL	isooctane	1 mL
10588.28-K-IO					1000 µg/mL	isooctane	1 mL
10588.28-10MG					neat	neat	10 mg
11067.28-100-ME		Diisodecyl phthalate-3,4,5,6-d4 (Bis(8-methyl-1-nonyl) phthalate-3,4,5,6-d4) (DiDcP-d4)	450.69	1346604-79-2	100 µg/mL	methanol	1 mL
11067.28-K-ME					1000 µg/mL	methanol	1 mL
11067.28-10MG					neat	neat	10 mg
12339.28-100-IO		Bis(3,7-dimethyl-1-octyl) phthalate-3,4,5,6-d4	450.69	1398065-81-0	100 µg/mL	isooctane	1 mL
12339.28-K-IO					1000 µg/mL	isooctane	1 mL
12339.28-10MG					neat	neat	10 mg
12341.30-100-IO		Di-n-undecyl phthalate-3,4,5,6-d4	478.73	3648-20-2 (unlabelled)	100 µg/mL	isooctane	1 mL
12341.30-K-IO					1000 µg/mL	isooctane	1 mL
12341.30-10MG					neat	neat	10 mg
12342.32-100-IO		Di-n-dodecyl phthalate-3,4,5,6-d4	506.80	2432-90-8 (unlabelled)	100 µg/mL	isooctane	1 mL
12342.32-K-IO					1000 µg/mL	isooctane	1 mL
12342.32-10MG					neat	neat	10 mg
12343.20-100-IO		Dimethyl hexanedioate-d8	182.25	52089-64-2	100 µg/mL	isooctane	1 mL
12343.20-K-IO					1000 µg/mL	isooctane	1 mL
12343.20-10MG					neat	neat	10 mg

Phthalates / Plasticizers Single Compounds

Phthalates, Symmetric and Native

Catalogue No.	Structure	Name (Abbreviation)	MW	CAS No.	Conc.	Solvent	Volume
C10-C12 Dimethyl-, Diethyl phthalates:							
2094.10-K-IO		Dimethyl phthalate	194.19	131-11-3	1000 µg/mL	isooctane	1 mL
2094.10-10MG					neat	neat	10 mg
2094.10-100MG					neat	neat	100 mg
1225.12-K-IO		Dimethyl phthalate	222.24	84-66-2	1000 µg/mL	isooctane	1 mL
1225.12-10MG					neat	neat	10 mg
1225.12-100MG					neat	neat	100 mg
C14 Dipropyl-, Diallyl phthalates:							
8779.14-K-IO		Di-n-propyl phthalate	250.29	131-16-8	1000 µg/mL	isooctane	1 mL
8779.14-10MG					neat	neat	10 mg
8779.14-100MG					neat	neat	100 mg
8945.14-K-IO		Diisopropyl phthalate	250.29	605-45-8	1000 µg/mL	isooctane	1 mL
8945.14-10MG					neat	neat	10 mg
8945.14-100MG					neat	neat	100 mg
10610.14-K-IO		Diallyl phthalate (DAP monomer)	246.26	131-17-9	1000 µg/mL	isooctane	1 mL
10610.14-10MG					neat	neat	10 mg
10610.14-100MG					neat	neat	100 mg
C16 Dibutyl phthalates:							
1226.16-K-IO		Di-n-butyl phthalate (DBP)	278.35	84-74-2	1000 µg/mL	isooctane	1 mL
1226.16-10MG					neat	neat	10 mg
1226.16-100MG					neat	neat	100 mg
2102.16-100K-NN		Diisobutyl phthalate (Bis(2-methyl-1-propyl) phthalate) (DiBIP)	278.35	84-69-5	100 mg/mL	nonane	1 mL
2102.16-K-IO					1000 µg/mL	isooctane	1 mL
2102.16-10MG					neat	neat	10 mg
2102.16-100MG					neat	neat	100 mg
C18 Dipentyl phthalates:							
2099.18-K-IO		Di-n-pentyl phthalate (Diamyl phthalate) (DnPP)	306.41	131-18-0	1000 µg/mL	isooctane	1 mL
2099.18-10MG					neat	neat	10 mg
2099.18-100MG					neat	neat	100 mg
8425.18-K-IO		Diisopentyl phthalate (Di-(4-Methyl-1-butyl) phthalate) (DiIPP)	306.41	605-50-5	1000 µg/mL	isooctane	1 mL
8425.18-100MG					neat	neat	100 mg
8425.18-1G					neat	neat	1 g
12723.18-K-IO		Dicyclopentyl phthalate	302.36	18699-38-2	1000 µg/mL	isooctane	1 mL
12723.18-10MG					neat	neat	10 mg
12723.18-100MG					neat	neat	100 mg
C20 Dihexyl-, Dicyclohexyl-, Diphenyl phthalates:							
2101.20-K-IO		Di-n-hexyl phthalate	334.46	84-75-3	1000 µg/mL	isooctane	1 mL
2101.20-K-ME					1000 µg/mL	methanol	1 mL
2101.20-10MG					neat	neat	10 mg
2101.20-100MG					neat	neat	100 mg
12013.20-K-IO		Bis(4-methyl-1-pentyl) phthalate (Diisohexyl phthalate)	334.46	259139-51-0	1000 µg/mL	isooctane	1 mL
12013.20-10MG					neat	neat	10 mg
12013.20-50MG					neat	neat	50 mg
2098.20-K-IO		Bis(4-methyl-2-pentyl) phthalate (Diisohexyl phthalate)	334.46	84-63-9	1000 µg/mL	isooctane	1 mL
2098.20-10MG					neat	neat	10 mg
2098.20-100MG					neat	neat	100 mg
10887.20-K-IO		Diisohexyl phthalate, techn: Branched and linear isomer mixture (DIHP)	334.46	68515-50-4	1000 µg/mL	isooctane	1 mL
10887.20-100MG					neat	neat	100 mg

Phthalates / Plasticizers Single Compounds

Catalogue No.	Structure	Name (Abbreviation)	MW	CAS No.	Conc.	Solvent	Volume
2056.20-100-HX		Diphenyl phthalate	318.33	84-62-8	100 µg/mL	n-hexane	1 mL
2056.20-10MG					neat	neat	10 mg
2056.20-100MG					neat	neat	100 mg
2100.20-K-IO		Dicyclohexyl phthalate	330.43	84-61-7	1000 µg/mL	isooctane	1 mL
2100.20-10MG					neat	neat	10 mg
2100.20-100MG					neat	neat	100 mg
C22 Diheptyl phthalates:							
8721.22-K-IO		Di-n-heptyl phthalate	362.50	3648-21-3	1000 µg/mL	isooctane	1 mL
8721.22-10MG					neat	neat	10 mg
8721.22-100MG					neat	neat	100 mg
12344.22-K-IO		Bis(5-methyl-1-hexyl) phthalate (Diisoheptyl phthalate)	362.50	90937-19-2	1000 µg/mL	isooctane	1 mL
12344.22-10MG					neat	neat	10 mg
12344.22-100MG					neat	neat	10 mg
11009.22-K-IO		Diisoheptyl phthalate (mixture of C7 isomers) techn.	362.50	41451-28-9	1000 µg/mL	isooctane	1 mL
11009.22-100MG					neat	neat	100 mg
10704.22-K-IO		Di-C6-8 branched C7 rich phthalate, techn. (DIHP, DIHP, Corresponds to Jayflex® 77)	362.50	71888-89-6	1000 µg/mL	isooctane	1 mL
10704.22-10MG					neat	neat	10 mg
10704.22-100MG					neat	neat	100 mg
2054.22-100-HX		Dibenzyl phthalate	346.39	523-31-9	100 µg/mL	n-hexane	1 mL
2054.22-10MG					neat	neat	10 mg
2054.22-100MG					neat	neat	100 mg
C24 Dioctyl phthalates:							
1223.24-K-IO		Di-n-octyl phthalate	390.56	117-84-0	1000 µg/mL	isooctane	1 mL
1223.24-10MG					neat	neat	10 mg
1223.24-100MG					neat	neat	100 mg
12345.24-K-IO		Di-6-methyl-1-heptyl phthalate	390.56	131-20-4	1000 µg/mL	isooctane	1 mL
12345.24-10MG					neat	neat	10 mg
12345.24-50MG					neat	neat	50 mg
1224.24-K-IO		Bis(2-ethyl-1-hexyl) phthalate (DEHP)	390.56	117-81-7	1000 µg/mL	isooctane	1 mL
1224.24-10MG					neat	neat	10 mg
1224.24-100MG					neat	neat	100 mg
8741.24-K-IO		Diisooctyl phthalate, mixture of C8-isomers, techn. (DIOP)	390.56	27554-26-3	1000 µg/mL	isooctane	1 mL
8741.24-100MG					neat	neat	100 mg
S-4864-K-ME		Synthetic Santicizers 711 C7 - C11 isomer mixture	from 362 to 474	68515-42-4 For Santicizer 711	1000 µg/mL	methanol	1 x 1 mL
S-4864-K-MEx5					1000 µg/mL	methanol	5 x 1 mL
S-4864-K-10ME					1000 µg/mL	methanol	10 x 1 mL
C26 Dinonyl phthalates:							
2110.26-K-IO		Di-n-nonyl phthalate (DNP)	418.62	84-76-4	1000 µg/mL	isooctane	1 mL
2110.26-10MG					neat	neat	10 mg
2110.26-100MG					neat	neat	100 mg
12346.26-K-IO		Bis(7-Methyl-1-octyl) phthalate (Diisononyl phthalate)	418.62	20548-62-3	1000 µg/mL	isooctane	1 mL
12346.26-10MG					neat	neat	10 mg
12346.26-100MG					neat	neat	100 mg
9916.26-K-IO		Diisononyl phthalate in mixture with C8-10-branched alkyl o-phthalate, C9-rich, techn.	418.62	68515-48-0	1000 µg/mL	isooctane	1 mL
9916.26-10MG					neat	neat	10 mg
9916.26-100MG					neat	neat	100 mg
11194.26-K-IO		Diisononyl phthalate (C9-alkyl ester isomer mix), techn.	418.62	28553-12-0	1000 µg/mL	isooctane	1 mL
11194.26-10MG					neat	neat	10 mg
11194.26-100MG					neat	neat	100 mg
9917.26-K-IO		Diisononyl phthalate, techn., (C9-alkyl ester isomer mix, mainly one isomer different from 11194.26 isomers, techn.)	418.62	28553-12-0	1000 µg/mL	isooctane	1 mL
9917.26-10MG					neat	neat	10 mg
9917.26-100MG					neat	neat	100 mg

Phthalates / Plasticizers Single Compounds

Catalogue No.	Structure	Name (Abbreviation)	MW	CAS No.	Conc.	Solvent	Volume
C28 - C34 Didecyl- to tridecyl phthalates:							
10587.28-K-IO		Di-n-decyl phthalate (DDcP)	446.66	84-77-5	1000 µg/mL	isooctane	1 mL
10587.28-10MG					neat	neat	10 mg
10587.28-100MG					neat	neat	100 mg
12392.28-K-IO		Di-8-methyl-1-nonyl phthalate (diisodecyl phthalate) (DiIDP)	446.66	89-16-7	1000 µg/mL	isooctane	1 mL
12392.28-10MG					neat	neat	10 mg
12392.28-50MG					neat	neat	50 mg
3049.28-K-IO		Diisodecyl phthalate in mixture with C9-11-branched alkyl o-phthalate, C10 rich, techn. (DiDP)	446.66	68515-49-1	1000 µg/mL	isooctane	1 mL
3049.28-10MG					neat	neat	10 mg
3049.28-100MG					neat	neat	100 mg
3049.28-1G					neat	neat	1 g
9957.28-K-IO		Diisodecyl phthalate techn. (C10-alkyl ester isomer mix, techn.) (DiDP)	446.66	26761-40-0	1000 µg/mL	isooctane	1 mL
9957.28-10MG					neat	neat	10 mg
9957.28-100MG					neat	neat	100 mg
10592.28-K-IO		Bis(2-propyl-1-heptyl) phthalate (DPrHeP, DPHP)	446.66	53306-54-0	1000 µg/mL	isooctane	1 mL
10592.28-10MG					neat	neat	10 mg
10592.28-50MG					neat	neat	50 mg
8732.30-K-IO		Di-n-undecyl phthalate	474.72	3648-20-2	1000 µg/mL	isooctane	1 mL
8732.30-100MG					neat	neat	100 mg
11028.30-100-AN		Diisoundecyl phthalate, techn.	474.72	96507-86-7	100 µg/mL	acetonitrile	1 mL
11028.30-K-IO					1000 µg/mL	isooctane	1 mL
11028.30-100MG					neat	neat	100 mg
12001.32-K-IO		Di-n-dodecyl phthalate (DDDP)	502.77	2432-90-8	1000 µg/mL	isooctane	1 mL
12001.32-10MG					neat	neat	10 mg
12001.32-50MG					neat	neat	50 mg
12002.34-K-IO		Di-n-tridecyl phthalate (DTDP)	530.82	119-06-2	1000 µg/mL	isooctane	1 mL
12002.34-10MG					neat	neat	10 mg
12002.34-50MG					neat	neat	50 mg

Phthalates / Plasticizers Single Compounds

Mixed phthalate esters

Catalogue No.	Structure	Name (Abbreviation)	MW	CAS No.	Conc.	Solvent	Volume
C16 Mixed butyl isobutyl phthalates:							
8537.16-100-IO		n-Butyl-2-methyl-1-propyl phthalate. (n-Butylisobutyl phthalate) (BiBP)	278.35	17851-53-5	100 µg/mL	isooctane	1 mL
8537.16-K-IO					1000 µg/mL	isooctane	1 mL
8537.16-10MG					neat	neat	10 mg
8537.16-100MG					neat	neat	100 mg
8537.16-250MG					neat	neat	250 mg
8720.16-100MG		n-Butylisobutyl phthalate (50% in mixture with 2102.16 and 1226.16) (BiBP)	278.35	17851-53-5	neat	neat	100 mg
8720.16-1G					neat	neat	1 g
C17 Mixed butyl pentyl phthalates:							
9754.17-100-IO		n-Butyl-n-pentyl phthalate	292.37	3461-29-8	100 µg/mL	isooctane	1 mL
9754.17-K-IO					1000 µg/mL	isooctane	1 mL
9754.17-10MG					neat	neat	10 mg
9754.17-100MG					neat	neat	100 mg
9754.17-250MG					neat	neat	250 mg
9755.17-100-IO		2-Methylpropyl-n-pentyl phthalate (Isobutylpentyl phthalate)	292.37	1349710-07-1	100 µg/mL	isooctane	1 mL
9755.17-K-IO					1000 µg/mL	isooctane	1 mL
9755.17-10MG					neat	neat	10 mg
9755.17-100MG					neat	neat	100 mg
9755.17-250MG					neat	neat	250 mg
9756.17-100-IO		n-Butyl-3-methyl-1-butyl phthalate (n-Butylisopentyl phthalate)	292.37	144648-76-0	100 µg/mL	isooctane	1 mL
9756.17-K-IO					1000 µg/mL	isooctane	1 mL
9756.17-10MG					neat	neat	10 mg
9756.17-100MG					neat	neat	100 mg
9756.17-250MG					neat	neat	250 mg
C17 Mixed butyl pentyl phthalates:							
12381.18-K-IO		Ethyl-n-octyl phthalate	306.40	102148-88-9	100 µg/mL	isooctane	1 mL
12381.18-10MG					neat	neat	10 mg
8539.18-100-IO		(3-Methyl-1-butyl)-n-pentyl phthalate (Isopentyl-n-pentyl phthalate) (PiPP)	306.40	776297-69-9	100 µg/mL	isooctane	1 mL
8539.18-K-IO					1000 µg/mL	isooctane	1 mL
8539.18-10MG					neat	neat	10 mg
8539.18-100MG					neat	neat	100 mg
8539.18-250MG					neat	neat	250 mg
8539.18-1G					neat	neat	1 g
8604.18-10MG S-4868-10MG		Isopentyl-n-pentyl phthalate (synthetic, 50% in mixture with 8425.18 and 2099.18): See S-4868	306.40	84777-06-0 (for PiPP)	neat	neat	10 mg
8604.18-100MG S-4868-100MG					neat	neat	100 mg
8604.18-1G S-4868-1G					neat	neat	1 g
12374.18-K-IO		n-Butyl-n-hexyl phthalate	306.40	88216-60-8	1000 µg/mL	isooctane	1 mL
12374.18-10MG					neat	neat	10 mg
12375.18-K-IO		n-Butylcyclohexyl phthalate	304.38	84-64-0	1000 µg/mL	isooctane	1 mL
12375.18-10MG					neat	neat	10 mg
12004.18-K-IO		Butylcyclohexyl phthalate (Mixture with dibutyl and dicyclohexyl phthalates)	304.38	84-64-0 (for butyl- cyclohexyl-)	1000 µg/mL	isooctane	1 mL
C19 Mixed benzyl butyl phthalates:							
1227.19-K-IO		Benzyl-n-butyl phthalate (n-Butylbenzyl phthalate) (BBP)	312.37	85-68-7	1000 µg/mL	isooctane	1 mL
1227.19-10MG					neat	neat	10 mg

Phthalates / Plasticizers Single Compounds

Catalogue No.	Structure	Name (Abbreviation)	MW	CAS No.	Conc.	Solvent	Volume
9360.19-100-IO		(2-Methyl-1-propyl)benzyl phthalate (Benzylisobutyl phthalate) (IBBP)	312.37	72170-45-7	100 µg/mL	isooctane	1 mL
9360.19-K-IO					1000 µg/mL	isooctane	1 mL
9360.19-10MG					neat	neat	10 mg
9360.19-100MG					neat	neat	100 mg
9360.19-250MG					neat	neat	250 mg
C20 Mixed benzyl pentyl phthalates:							
9757.20-100-IO		Benzyl-n-pentyl phthalate (n-Pentylbenzyl phthalate)	329.39	1240-18-2	100 µg/mL	isooctane	1 mL
9757.20-K-IO					1000 µg/mL	isooctane	1 mL
9757.20-10MG					neat	neat	10 mg
9757.20-100MG					neat	neat	100 mg
9757.20-250MG					neat	neat	250 mg
9758.20-100-IO		3-Methyl-1-butylbenzyl phthalate (Benzylisopentyl phthalate)	329.39	72170-46-8	100 µg/mL	isooctane	1 mL
9758.20-K-IO					1000 µg/mL	isooctane	1 mL
9758.20-10MG					neat	neat	10 mg
9758.20-100MG					neat	neat	100 mg
9758.20-250MG					neat	neat	250 mg
C20-21 Mixed Butyl octyl or Butyl nonyl phthalates:							
8733.20-K-IO		n-Butyl-n-octyl phthalate	334.46	84-78-6	1000 µg/mL	isooctane	1 mL
8733.20-10MG					neat	neat	10 mg
8733.20-100MG					neat	neat	100 mg
11637.20-K-IO		n-Butyl-n-octyl phthalate, techn. (n-Butyl-n-octyl phthalate, technical mixture of di-n-butyl, di-n-octyl phthalates in the ratio 13:66:21)	334.46	84-78-6	1000 µg/mL	isooctane	1 mL
11637.20-100MG					neat	neat	10 mg
12376.20-K-IO		n-Butyl-2-ethylhexyl phthalate	334.45	85-69-8	1000 µg/mL	isooctane	1 mL
12376.20-10MG					neat	neat	10 mg
12377.21-K-IO		n-Butyl-n-nonyl phthalate	348.48	3461-31-2	1000 µg/mL	isooctane	1 mL
12377.21-10MG					neat	neat	10 mg
12382.21-K-IO		n-Pentyl-n-octyl phthalate	348.48	102148-90-3	1000 µg/mL	isooctane	1 mL
12382.21-10MG					neat	neat	10 mg
C22-23 Mixed phthalate esters:							
12378.22-K-IO		n-Butyl-n-decyl phthalate	362.50	89-19-0	1000 µg/mL	isooctane	1 mL
12378.22-10MG					neat	neat	10 mg
12383.22-K-IO		n-Hexyl-n-octyl phthalate	362.48	61827-62-1	1000 µg/mL	isooctane	1 mL
12383.22-10MG					neat	neat	10 mg
12393.22-K-IO		2-Ethyl-1-hexyl-1-hexyl phthalate (Hexyl-2-ethyl-1-hexyl phthalate)	362.50	75673-16-4	1000 µg/mL	isooctane	1 mL
12393.22-10MG					neat	neat	10 mg
2103.22-K-IO		Hexyl-2-ethyl-1-hexyl phthalate, techn., (55% in mixture with dihexyl- and di(2-ethyl-1-hexyl) phthalates)	362.50	75673-16-4 (CAS of single isomer)	1000 µg/mL	isooctane	1 mL
2103.22-10MG					neat	neat	10 mg
2103.22-100MG					neat	neat	100 mg
12384.22-K-IO		Cyclohexyl-n-octyl phthalate	360.49	42801-54-7	1000 µg/mL	isooctane	1 mL
12384.22-10MG					neat	neat	10 mg
12379.23-K-IO		n-Butyl-n-undecyl phthalate	376.53	120670-28-2	1000 µg/mL	isooctane	1 mL
12379.23-10MG					neat	neat	10 mg
C24-25 Mixed phthalate esters:							
12380.24-K-IO		n-Butyl-n-dodecyl phthalate	390.56	23761-34-4	1000 µg/mL	isooctane	1 mL
12380.24-10MG					neat	neat	10 mg
9759.24-100-IO		(2-Ethyl-1-hexyl)-n-octyl phthalate	390.56	3461-26-5	100 µg/mL	isooctane	1 mL
9759.24-K-IO					1000 µg/mL	isooctane	1 mL
9759.24-10MG					neat	neat	10 mg
9759.24-100MG					neat	neat	100 mg
9759.24-250MG					neat	neat	250 mg

Phthalates / Plasticizers Single Compounds

Catalogue No.	Structure	Name (Abbreviation)	MW	CAS No.	Conc.	Solvent	Volume
10340.24-100-IO		n-Heptyl-n-nonyl phthalate	390.56	19295-81-9	100 µg/mL	isooctane	1 mL
10340.24-10MG					neat	neat	10 mg
12385.25-K-IO		n-Nonyl-n-octyl phthalate	404.58	88216-59-5	1000 µg/mL	isooctane	1 mL
12385.25-10MG					neat	neat	10mg
C26-C32 Mixed phthalate esters:							
12386.26-K-IO		n-Decyl-n-octyl phthalate	418.61	119-07-3	1000 µg/mL	isooctane	1 mL
12386.26-10MG					neat	neat	10mg
12003.26-K-IO		n-Decyl-n-octyl phthalate (mixture with dioctyl and didecyl phthalates)	418.62	119-07-3 (for n-Decyl-n-octyl ph.)	1000 µg/mL	isooctane	1 mL
12387.27-K-IO		n-Octyl-n-undecyl phthalate	432.64	120643-37-0	1000 µg/mL	isooctane	1 mL
12387.27-10MG					neat	neat	10mg
12388.28-K-IO		n-Dodecyl-n-octyl phthalate	446.56	120643-38-1	1000 µg/mL	isooctane	1 mL
12388.28-10MG					neat	neat	10mg
10341.28-100-IO		n-Nonyl-n-undecyl phthalate	446.66	65185-89-9	100 µg/mL	isooctane	1 mL

Oxygen containing chained phthalates

Catalogue No.	Structure	Name (Abbreviation)	MW	CAS No.	Conc.	Solvent	Volume
2097.14-K-IO		Bis(2-methoxyethyl) phthalate (Di(2-methoxyethyl) phthalate)	282.30	117-82-8	1000 µg/mL	isooctane	1 mL
2097.14-10MG					neat	neat	10 mg
2097.14-100MG					neat	neat	100 mg
2096.16-K-IO		Bis(2-ethoxyethyl) phthalate (Di(2-ethoxyethyl) phthalate)	310.35	605-54-9	1000 µg/mL	isooctane	1 mL
2096.16-10MG					neat	neat	10 mg
2096.16-100MG					neat	neat	100 mg
2095.20-K-IO		Bis(2-n-butoxyethyl) phthalate (Di(2-n-butoxyethyl) phthalate)	366.46	117-83-9	1000 µg/mL	isooctane	1 mL
2095.20-10MG					neat	neat	10 mg
2095.20-100MG					neat	neat	100 mg
Isophthalates:							
2055.20-100-HX		Diphenyl isophthalate	318.33	744-45-6	100 µg/mL	n-hexane	1 mL
2055.20-K-HX					1000 µg/mL	n-hexane	1 mL
2055.20-10MG					neat	neat	10 mg
8016.24-100-IO		Bis(2-ethyl-1-hexyl) isophthalate	390.57	137-89-3	100 µg/mL	isooctane	1 mL
8016.24-K-IO					1000 µg/mL	isooctane	1 mL
8016.24-10MG					neat	neat	10 mg
8016.24-100MG					neat	neat	100 mg
Terephthalates:							
8729.9-K-IO		Monomethyl terephthalate	180.16	1679-64-7	1000 µg/mL	isooctane	1 mL
8729.9-100MG					neat	neat	100 mg
8722.10-K-IO		Dimethyl terephthalate	194.18	120-61-6	1000 µg/mL	isooctane	1 mL
8722.10-100MG					neat	neat	100 mg
8730.12-K-IO		Diethyl terephthalate	222.34	636-09-9	1000 µg/mL	isooctane	1 mL
8730.12-100MG					neat	neat	100 mg
8731.24-K-IO		Bis(2-ethyl-1-hexyl) terephthalate	390.55	6422-86-2	1000 µg/mL	isooctane	1 mL
8731.24-100MG					neat	neat	100 mg

Phthalates / Plasticizers Single Compounds

Deuterium labelled monophthalate esters (metabolites)

Catalogue No.	Structure	Name (Abbreviation)	MW	CAS No.	Conc.	Solvent	Volume
12347.9-100-IO		Monomethyl phthalate-3,4,5,6-d4	184.18	1276197-40-0	100 µg/mL	isooctane	1 mL
12347.9-K-IO					1000 µg/mL	isooctane	1 mL
12347.9-10MG					neat	neat	10 mg
12348.10-100-IO		Monoethyl phthalate-3,4,5,6-d4	198.22	1219806-03-7	100 µg/mL	isooctane	1 mL
12348.10-K-IO					1000 µg/mL	isooctane	1 mL
12348.10-10MG					neat	neat	10 mg
12349.11-100-IO		Mono-n-propyl phthalate-d3,4,5,6-d4	212.24	1795020-91-5	100 µg/mL	isooctane	1 mL
12349.11-K-IO					1000 µg/mL	isooctane	1 mL
12349.11-10MG					neat	neat	10 mg
12350.11-100-IO		Monoisopropyl phthalate-3,4,5,6-d4	212.34	35118-50-4 (unlabelled)	100 µg/mL	isooctane	1 mL
12350.11-K-IO					1000 µg/mL	isooctane	1 mL
12350.11-10MG					neat	neat	10 mg
12351.12-100-IO		Mono-n-butyl phthalate-3,4,5,6-d4	226.26	478954-81-3	100 µg/mL	isooctane	1 mL
12351.12-K-IO					1000 µg/mL	isooctane	1 mL
12351.12-10MG					neat	neat	10 mg
12352.12-100-IO		Mono-2-methyl-1-propyl phthalate-3,4,5,6-d4 (Monoisobutyl phthalate-3,4,5,6-d4)	226.26	1219802-26-2	100 µg/mL	isooctane	1 mL
12352.12-K-IO					1000 µg/mL	isooctane	1 mL
12352.12-10MG					neat	neat	10 mg
12353.13-100-IO		Mono-n-pentyl phthalate-3,4,5,6-d4	240.29	1794756-28-7	100 µg/mL	isooctane	1 mL
12353.13-K-IO					1000 µg/mL	isooctane	1 mL
12353.13-10MG					neat	neat	10 mg
12354.13-100-IO		Mono-3-methyl-1-butyl phthalate-3,4,5,6-d4 (Monoisopentyl phthalate-3,4,5,6-d4)	240.29	17816-76-1 (unlabelled)	100 µg/mL	isooctane	1 mL
12354.13-K-IO					1000 µg/mL	isooctane	1 mL
12354.13-10MG					neat	neat	10 mg
12355.14-100-IO		Mono-n-hexyl phthalate-3,4,5,6-d4	254.32	24539-57-9 (unlabelled)	100 µg/mL	isooctane	1 mL
12355.14-K-IO					1000 µg/mL	isooctane	1 mL
12355.14-10MG					neat	neat	10 mg
12356.14-100-IO		Monocyclohexyl phthalate-3,4,5,6-d4	252.30	1398066-18-6	100 µg/mL	isooctane	1 mL
12356.14-K-IO					1000 µg/mL	isooctane	1 mL
12356.14-10MG					neat	neat	10 mg
12357.15-100-IO		Mono-n-heptyl phthalate-3,4,5,6-d4	268.35	24539-58-0 (unlabelled)	100 µg/mL	isooctane	1 mL
12357.15-K-IO					1000 µg/mL	isooctane	1 mL
12357.15-10MG					neat	neat	10 mg
12358.15-100-IO		Mono-5-methylhexyl phthalate-3,4,5,6-d4	268.35	92135-04-1 (unlabelled)	100 µg/mL	isooctane	1 mL
12358.15-K-IO					1000 µg/mL	isooctane	1 mL
12358.15-10MG					neat	neat	10 mg
12359.15-100-IO		Monobenzyl phthalate-3,4,5,6-d4	260.28	478954-83-5	100 µg/mL	isooctane	1 mL
12359.15-K-IO					1000 µg/mL	isooctane	1 mL
12359.15-10-MG					neat	neat	10 mg
12360.16-100-IO		Mono-n-octyl phthalate-3,4,5,6-d4	282.37	1398065-74-1	100 µg/mL	isooctane	1 mL
12360.16-K-IO					1000 µg/mL	isooctane	1 mL
12360.16-10MG					neat	neat	10 mg
12361.16-100-IO		Mono-6-methylheptyl phthalate-3,4,5,6-d4	282.37	1090-59-1 (unlabelled)	100 µg/mL	isooctane	1 mL
12361.16-K-IO					1000 µg/mL	isooctane	1 mL
12361.16-10MG					neat	neat	10 mg
12362.16-100-IO		Mono-2-ethyl-1-hexyl phthalate-3,4,5,6-d4	282.37	1276197-22-8	100 µg/mL	isooctane	1 mL
12362.16-K-IO					1000 µg/mL	isooctane	1 mL
12362.16-10MG					neat	neat	10 mg












Phthalates / Plasticizers Single Compounds

Catalogue No.	Structure	Name (Abbreviation)	MW	CAS No.	Conc.	Solvent	Volume
12363.17-100-IO		Mono-n-nonyl phthalate-d3,4,5,6-d4	296.40	24539-59-1 (unlabelled)	100 µg/mL	isooctane	1 mL
12363.17-K-IO					1000 µg/mL	isooctane	1 mL
12363.17-10MG					neat	neat	10 mg
12364.17-100-IO		Mono-7-methyl-1-octyl phthalate-3,4,5,6-d4	296.40	1332965-96-4	100 µg/mL	isooctane	1 mL
12364.17-K-IO					1000 µg/mL	isooctane	1 mL
12364.17-10MG					neat	neat	10 mg
12365.18-100-IO		Mono-n-decyl phthalate-3,4,5,6-d4	310.43	24539-60-4 (unlabelled)	100 µg/mL	isooctane	1 mL
12365.18-K-IO					1000 µg/mL	isooctane	1 mL
12365.18-10MG					neat	neat	10 mg
12366.18-100-IO		Mono-8-methyl-1-nonyl phthalate-3,4,5,6-d4	310.43	1398065-94-5	100 µg/mL	isooctane	1 mL
12366.18-K-IO					1000 µg/mL	isooctane	1 mL
12366.18-10MG					neat	neat	10 mg
12367.19-100-IO		Mono-n-undecyl phthalate-3,4,5,6-d4	324.45	51622-03-8 (unlabelled)	100 µg/mL	isooctane	1 mL
12367.19-K-IO					1000 µg/mL	isooctane	1 mL
12367.19-10MG					neat	neat	10 mg
12368.20-100-IO		Mono-n-dodecyl phthalate-3,4,5,6-d4	338.48	21577-80-0 (unlabelled)	100 µg/mL	isooctane	1 mL
12368.20-K-IO					1000 µg/mL	isooctane	1 mL
12368.20-10MG					neat	neat	10 mg



Monophthalate esters (metabolites)

Catalogue No.	Structure	Name (Abbreviation)	MW	CAS No.	Conc.	Solvent	Volume
3805.9-K-IO		Monomethyl phthalate	180.16	4376-18-5	1000 µg/mL	isooctane	1 mL
3805.9-10MG					neat	neat	10 mg
3805.9-100MG					neat	neat	100 mg
3806.10-K-IO		Monoethyl phthalate	194.00	2306-33-4	1000 µg/mL	isooctane	1 mL
3806.10-10MG					neat	neat	10 mg
3806.10-50MG					neat	neat	50 mg
3807.12-K-IO		Mono-n-butyl phthalate	222.24	131-70-4	1000 µg/mL	isooctane	1 mL
3807.12-10MG					neat	neat	10 mg
3807.12-50MG					neat	neat	50 mg
10401.12-K-ME		Mono(3-carboxypropyl) phthalate	252.22	66851-46-5	1000 µg/mL	methanol	1 mL
8633.12-K-IO		Monoisobutyl phthalate	222.24	30833-53-5	1000 µg/mL	isooctane	1 mL
8633.12-10MG					neat	neat	10 mg
8633.12-50MG					neat	neat	50 mg
9368.13-K-IO		Mono-n-pentyl phthalate	236.26	24539-56-8	1000 µg/mL	isooctane	1 mL
9368.13-10MG					neat	neat	10 mg
9368.13-50MG					neat	neat	50 mg
9369.13-K-IO		Monoisopentyl phthalate	236.26	17866-76-1	1000 µg/mL	isooctane	1 mL
9369.13-10MG					neat	neat	10 mg
9369.13-50MG					neat	neat	50 mg
3590.14-K-IO		Mono-n-hexyl phthalate	250.29	24539-57-9	1000 µg/mL	isooctane	1 mL
3590.14-10MG					neat	neat	10 mg
3590.14-50MG					neat	neat	50 mg
12389.14-K-IO		Monocyclohexyl phthalate	248.27	7517-36-4	1000 µg/mL	isooctane	1 mL
12389.14-10MG					neat	neat	10 mg
12389.14-50MG					neat	neat	50 mg
12390.15-K-IO		Mono-n-heptyl phthalate	264.32	24539-58-0	1000 µg/mL	isooctane	1 mL
12390.15-10MG					neat	neat	10 mg
12390.15-50MG					neat	neat	50 mg

Phthalates / Plasticizers Single Compounds

Catalogue No.	Structure	Name (Abbreviation)	MW	CAS No.	Conc.	Solvent	Volume
3808.15-K-IO		Monobenzyl phthalate	256.26	2528-16-7	1000 µg/mL	isooctane	1 mL
12391.16-K-IO		Mono-n-octyl phthalate	278.34	5393-19-1	1000 µg/mL	isooctane	1 mL
12391.16-10MG					neat	neat	10 mg
12391.16-50MG					neat	neat	50 mg
3809.16-K-IO		Mono(2-ethyl-1-hexyl) phthalate	278.35	4376-20-9	1000 µg/mL	isooctane	1 mL
3809.16-10MG					neat	neat	10 mg
3809.16-50MG					neat	neat	50 mg
10548.16-100-ME		Mono(2-ethyl-5-oxohexyl) phthalate (Monoisopentyl phthalate (MEOHP))	292.33	40321-98-0	100 µg/mL	methanol	1 mL
10548.16-10MG					neat	neat	10 mg
10549.16-100-ME		Mono(2-ethyl-5-hydroxyhexyl) phthalate (MEHHP)	294.34	40321-99-1	100 µg/mL	methanol	1 mL
10549.16-10MG					neat	neat	10 mg
12369.17-K-IO		Mono-n-nonyl phthalate	292.37	24539-59-1	1000 µg/mL	isooctane	1 mL
12369.17-10MG					neat	neat	10 mg
12369.17-50MG					neat	neat	50 mg
12370.18-K-IO		Mono-n-decyl phthalate	306.40	24539-60-4	1000 µg/mL	isooctane	1 mL
12370.18-10MG					neat	neat	10 mg
12370.18-50MG					neat	neat	50 mg
12371.19-K-IO		Mono-n-undecyl phthalate	320.42	51622-03-8	1000 µg/mL	isooctane	1 mL
12371.19-10MG					neat	neat	10 mg
12371.19-50MG					neat	neat	50 mg
12372.20-K-IO		Mono-n-dodecyl phthalate	334.45	21577-80-0	1000 µg/mL	isooctane	1 mL
12372.20-10MG					neat	neat	10 mg
12372.20-50MG					neat	neat	50 mg
9704.18-K-IO		Monobornyl phthalate	302.36	98682-85-0	1000 µg/mL	isooctane	1 mL
8344.35-K-IO		Monocholesteryl phthalate (Cholesterol hydrogen phthalate)	534.77	6732-01-1	1000 µg/mL	isooctane	1 mL

Cyclohexane-1,2-dicarboxylic acid esters (Hexahydro phthalates)

Catalogue No.	Structure	Name (Abbreviation)	MW	CAS No.	Conc.	Solvent	Volume
11010.26-K-IO		Bis(7-methyl-1-octyl) cyclohexane-1,2-dicarboxylate	424.66	318292-43-2	1000 µg/mL	isooctane	1 mL
11010.26-10MG					neat	neat	10 mg
11010.26-100MG					neat	neat	100 mg
11012.26-K-AN		Diisononyl cyclohexane 1,2-dicarboxylate (DINCH)	424.66	166412-78-8	1000 µg/mL	acetonitrile	1 mL
11012.26-K-IO					1000 µg/mL	isooctane	1 mL
11012.26-50MG					neat	neat	50 mg

Phthalates / Plasticizers Single Compounds

Adipates (linear C6-dicarboxylic esters)

Catalogue No.	Structure	Name (Abbreviation)	MW	CAS No.	Conc.	Solvent	Volume
Deuterated adipates:							
2276.22-K-IO		Bis(2-ethylhexyl) adipate-d8	412.83	1214718-98-5	1000 µg/mL	isooctane	1 mL
2276.22-10MG					neat	neat	10 mg
Monoadipate esters:							
8727.7-K-IO		Monomethyl adipate	160.17	627-91-7	1000 µg/mL	isooctane	1 mL
8727.7-10MG					neat	neat	10 mg
Diadipate esters:							
8724.8-K-IO		Dimethyl adipate	174.19	627-93-0	1000 µg/mL	isooctane	1 mL
8724.8-100MG					neat	neat	100 mg
8725.10-K-IO		Diethyl adipate	202.25	141-28-6	1000 µg/mL	isooctane	1 mL
8725.10-100MG					neat	neat	100 mg
8726.12-K-IO		Di-n-propyl adipate	230.30	106-19-4	1000 µg/mL	isooctane	1 mL
8726.12-100MG					neat	neat	100 mg
12373.14-K-IO		Di-n-butyl adipate	258.35	105-99-7	1000 µg/mL	isooctane	1 mL
12373.14-100MG					neat	neat	100 mg
2212.22-K-IO		Di-n-octyl adipate (DIOA)	370.58	123-79-5	1000 µg/mL	isooctane	1 mL
2212.22-100MG					neat	neat	100 mg
2213.22-K-IO		Diisooctyl adipate, techn. isomermixture (DIOA)	370.58	1330-86-5	1000 µg/mL	isooctane	1 mL
2213.22-100MG					neat	neat	100 mg
1228.22-K-IO		Bis(2-ethylhexyl) adipate (BEHA)	370.58	103-23-1	1000 µg/mL	isooctane	1 mL
1228.22-10MG					neat	neat	10 mg
1228.22-100MG					neat	neat	100 mg
2214.24-K-IO		Di-n-nonyl adipate (DNA)	398.63	151-32-6	1000 µg/mL	isooctane	1 mL
2214.24-100MG					neat	neat	100 mg
2218.24-K-IO		Diisononyl adipate, isomer mixture, techn. (DINA)	398.63	33703-08-1	1000 µg/mL	isooctane	1 mL
2218.24-100MG					neat	neat	100 mg
9962.21-100MG		Benzyl-n-octyl adipate	348.48	3089-55-2	neat	neat	100 mg
Diadipates, oxygen containing esters:							
8728.12-K-IO		Bis(2-methoxyethyl) adipate	262.30	106-00-3	1000 µg/mL	isooctane	1 mL
8728.12-100MG					neat	neat	100 mg
10852.14-K-IO		Bis(2-ethoxyethyl) adipate	290.36	109-44-4	1000 µg/mL	isooctane	1 mL
10852.14-100MG					neat	neat	100 mg
Sebacates (linear C10-dicarboxylic esters):							
8723.12-K-IO		Dimethyl sebacate	230.30	106-79-6	1000 µg/mL	isooctane	1 mL
8889.14-K-IO		Diethyl sebacate	258.35	110-40-7	1000 µg/mL	isooctane	1 mL
8387.18-K-IO		Di-n-butyl sebacate	314.46	109-43-3	1000 µg/mL	isooctane	1 mL
8387.18-100MG					neat	neat	100 mg
10839.26-K-IO		Bis(2-ethyl-1-hexyl) sebacate	426.68	122-62-3	1000 µg/mL	isooctane	1 mL
Citrates:							
12005.20-K-IO		Tributylacetyl citrate (Citroflex)	402.48	77-90-7	1000 µg/mL	isooctane	1 mL
12005.20-10MG					neat	neat	10 mg
12005.20-100MG					neat	neat	100 mg

Phthalates / Plasticizers Single Compounds

Catalogue No.	Structure	Name (Abbreviation)	MW	CAS No.	Conc.	Solvent	Volume
Other plasticizers/surfactants:							
11011.19-100-ME		Diacetyllauroyl glycerol, technical mixture	358.47	55191-44-1 (1,2-diacetyl)	100 µg/mL	methanol	1 mL
11011.19-K-ME					1000 µg/mL	methanol	1 mL
11011.19-100MG					neat	neat	100 mg
12307.16-1G		Lauryl diethanolamide, 95% techn.; (N,N-Bis(2-hydroxyethyl)dodecanamide)	287.44	120-40-1	neat	neat	1 g
12307.16-10G					neat	neat	10 g
12321.16-K-ME		Lauryl diethanolamide, Purified; (N,N-Bis(2-hydroxyethyl)dodecanamide)	287.44	120-40-1	1000 µg/mL	methanol	1 mL
12321.16-10MG					neat	neat	10 mg
9656.16-100-AN		TXIB (2,2,4-Trimethyl-1,3-pentanediol diisobutyrate)	286.40	6846-50-0	100 µg/mL	acetonitrile	1 mL

Industrial (technical) phthalates (also listed above)

Catalogue No.	Structure	Name (Abbreviation)	MW	CAS No.	Conc.	Solvent	Volume
10887.20-K-IO		Diisohexyl phthalate, techn. Branched and linear isomer mixture (DIHP)	334.46	68515-50-4	1000 µg/mL	isooctane	1 mL
10887.20-100MG					neat	neat	100 mg
11009.22-K-IO		Diisoheptyl phthalate (mixture of C7 isomers) techn.	362.50	41451-28-9	1000 µg/mL	isooctane	1 mL
11009.22-100MG					neat	neat	100 mg
10704.22-K-IO		Di-C6-8 branched C7 rich phthalate, techn. (DiHP, DIHP, Corresponds to Jayflex® 77)	362.50	71888-89-6	1000 µg/mL	isooctane	1 mL
10704.22-10MG					neat	neat	10 mg
10704.22-100MG					neat	neat	100 mg
8741.24-K-IO		Diisooctyl phthalate (mixture of C8-isomers), techn. (DIOP)	390.56	27554-26-3	1000 µg/mL	isooctane	1 mL
8741.24-100MG					neat	neat	100 mg
11194.26-K-IO		Diisononyl phthalate (C9-alkyl ester isomer mix), techn.	418.62	28553-12-0	1000 µg/mL	isooctane	1 mL
11194.26-10MG					neat	neat	10 mg
11194.26-100MG					neat	neat	100 mg
S-4864-K-ME		Synthetic Santicizers 711 C7 - C11 isomer mixture	from 362 to 474	68515-42-4 For Santicizer 711	1000 µg/mL	methanol	1 x 1 mL
S-4864-K-MEX5					1000 µg/mL	methanol	5 x 1 mL
S-4864-K-10ME					1000 µg/mL	methanol	10 x 1 mL
9916.26-K-IO		Diisononyl phthalate in mixture with C8-10-branched alkyl o-phthalate, C9-rich, techn.	418.62	68515-48-0	1000 µg/mL	isooctane	1 mL
9916.26-10MG					neat	neat	10 mg
9916.26-100MG					neat	neat	100 mg
11194.26-K-IO		Diisononyl phthalate (C9-alkyl ester isomer mix), techn.	418.62	68515-48-0	1000 µg/mL	isooctane	1 mL
11194.26-10MG					neat	neat	10 mg
11194.26-100MG					neat	neat	100 mg
9917.26-K-IO		Diisononyl phthalate, techn. (C9-alkyl ester isomer mix, mainly one isomer different from 11194.26 isomers, techn.)	418.62	28553-12-0	1000 µg/mL	isooctane	1 mL
9917.26-10MG					neat	neat	10 mg
9917.26-100MG					neat	neat	100 mg
3049.28-K-IO		Diisodecyl phthalate in mixture with C9-11-branched alkyl o-phthalate, C10 rich, techn. (DiDP)	446.66	68515-49-1	1000 µg/mL	isooctane	1 mL
3049.28-10MG					neat	neat	10 mg
3049.28-100MG					neat	neat	100 mg
3049.28-1G					neat	neat	1 g
9957.28-K-IO		Diisodecyl phthalate techn. (C10-alkyl ester isomer mix, techn.) (DiDP)	446.66	26761-40-0	1000 µg/mL	isooctane	1 mL
9957.28-10MG					neat	neat	10 mg
9957.28-100MG					neat	neat	100 mg
11028.30-100-AN		Diisoundecyl phthalate, techn.	474.72	96507-86-7	100 µg/mL	acetonitrile	1 mL
11028.30-K-IO					1000 µg/mL	isooctane	1 mL
11028.30-100MG					neat	neat	100 mg
11012.26-K-AN		Diisononyl cyclohexane 1,2-dicarboxylate (DINCH)	424.66	166412-78-8	1000 µg/mL	acetonitrile	1 mL
11012.26-K-IO					1000 µg/mL	isooctane	1 mL
11012.26-50MG					neat	neat	50 mg

Phthalates / Plasticizers Single Compounds

Catalogue No.	Structure	Name (Abbreviation)	MW	CAS No.	Conc.	Solvent	Volume
2218.24-K-IO		Diisononyl adipate, isomer mixture, techn. (DINA)	398.63	33703-08-1	1000 µg/mL	isooctane	1 mL
2218.24-100MG					neat	neat	100 mg
11011.19-100-ME		Diacetyllauroyl glycerol, technical mixture	358.47	55191-44-1 (1,2-diacetyl)	100 µg/mL	methanol	1 mL
11011.19-K-ME					1000 µg/mL	methanol	1 mL
11011.19-100MG					neat	neat	100 mg
12307.16-1G		Lauryl diethanolamide, 95% techn., (N,N-Bis(2-hydroxyethyl)dodecanamide)	287.44	120-40-1	neat	neat	1 g
12307.16-10G					neat	neat	10 g

Phthalate Based Flame Retardants

Catalogue No.	Structure	Name (Abbreviation)	MW	CAS No.	Conc.	Solvent	Volume
8886.15-K-T		2-Ethylhexyl-2,3,4,5-tetrabromobenzoate (EH-TBB)	549.92	183658-27-7	1000 µg/mL	toluene	1 mL
2676.8-50-IO		'3,4,5,6-Tetrabromophthalic anhydride ('TEBP-Anh)	463.70	632-79-1	50 µg/mL	isooctane	1 mL
2676.8-10MG					neat	neat	10 mg
2676.8-100MG					neat	neat	100 mg
2676.8-250MG					neat	neat	250 mg
10450.8-10MG		3,4,5,6-Tetrabromophthalic acid ('TEBP)	481.72	13810-83-8	neat	neat	10 mg
10450.8-100MG					neat	neat	100 mg
10450.8-250MG					neat	neat	250 mg
8885.24-10MG		Bis(2-ethylhexyl)tetrabromo phthalate (BEH-TEBP)	706.14	26040-51-7	neat	neat	10 mg
8885.24-100MG					neat	neat	100 mg
10775.24		Bis(2-ethylhexyl)-3,4,6-tribromo phthalate (BEH-TBP)	627.24	122857-50-5	Please enquire		
11122.14		2-(2-Hydroxyethoxy)ethyl 2-hydroxypropyltetrabromo phthalate(HEEMP-TEBP)	627.9	20566-35-2	Please enquire		

Phthalate / Plasticizer Mixtures

EPA 505, Phthalate and Adipate Esters in Drinking Water

EPA 505 Phthalates and Adipates in Drinking Water					EPA 505
Phthalate Mix 03		7 Compounds at 1000 µg/mL in isooctane			
Catalogue No.	Part No.	Name	Abbreviation	CAS No.	
S-4231	2094.10	Dimethyl phthalate	(BMP)	[131-11-3]	
	1225.12	Diethyl phthalate	(DEP)	[84-66-2]	
	1226.16	Di-n-butyl phthalate	(DBP)	[84-74-2]	
	1227.17	Benzylbutyl phthalate	(BBP)	[85-68-7]	
	1228.22	Bis(2-ethylhexyl) adipate	(BEHA)	[103-23-1]	
	1223.24	Di-n-octyl phthalate	(DNOP)	[117-84-0]	
	1224.24	Bis(2-ethylhexyl) phthalate	(BEHP)	[117-81-7]	
	S-4231-K-IO, 1 x 1 mL ampoule in isooctane				
	S-4231-K-IOx5, 5 x 1 mL ampoules in isooctane				
	S-4231-K-IOx5, 1 x 5 mL screwcap bottle in isooctane				
EPA 505 Laboratory Performance Test, Phthalates and Adipates in Drinking Water					EPA 505
Phthalate Mix 04		7 compounds at assorted concentrations in methanol			
Catalogue No.	Part No.	Name	Abbreviation	CAS No.	Conc.
S-4232	2094.10	Dimethyl phthalate	(BMP)	[131-11-3]	100 µL/mL
	1225.12	Diethyl phthalate	(DET)	[84-66-2]	100 µL/mL
	1226.16	Di-n-butyl phthalate	(DBP)	[84-74-2]	100 µL/mL
	1228.22	Bis(2-ethylhexyl) adipate	(BEHA)	[103-23-1]	1200 µL/mL
	1227.22	Benzyl butyl phthalate	(BBP)	[85-68-7]	250 µL/mL
	1223.24	Di-n-octyl phthalate	(DNOP)	[117-84-0]	650 µL/mL
	1224.24	Bis(2-ethylhexyl) phthalate	(BEHP)	[117-81-7]	250 µL/mL
	S-4232-ASS-ME, 1 x 1 mL ampoules in methanol				
	S-4232-ASS-MEx5, 5 x 1 mL ampoules in methanol				
	S-4232-ASS-SME, 1 x 5 mL screwcap bottle in methanol				

Phthalate / Plasticizer Mixtures

EPA 506, Phthalate Esters in Waste Water

EPA 606 Phthalate Esters in Waste Water. Control Sample Mixture						EPA 606
Phthalate Mix 35		6 Compounds at assorted concentration as listed				
Catalogue No.	Part No.	Name	Abbreviation	CAS No.	Conc.	
S-4234	2094.10	Dimethyl phthalate	(DMP)	[131-11-3]	250 µL/mL	
	1225.12	Diethyl phthalate	(DEP)	[84-66-2]	250 µL/mL	
	1226.16	Di-n-butyl phthalate	(DBP)	[84-74-2]	250 µL/mL	
	1227.19	Benzyl-n-butyl phthalate	(BBP)	[85-68-7]	100 µL/mL	
	1223.24	Di-n-octyl phthalate	(DOP)	[117-84-0]	500 µL/mL	
	1224.24	Bis(2-ethylhexyl) phthalate	(DEHP)	[117-81-7]	500 µL/mL	
	S-4234-ASS-AC, 1 x 1 mL ampoule in acetone					
	S-4234-ASS-ACx5, 5 x 1 mL ampoules in acetone					
	S-4234-ASS-SAC, 1 x 5 mL screwcap bottle in acetone					
EPA 606 Phthalate Esters in Waste Water by GC-ECD						EPA 606
Phthalate Mix 05		6 Compounds at 2000 µg/mL in hexane				
Catalogue No.	Part No.	Name	Abbreviation	CAS No.		
S-4233	2094.10	Dimethyl phthalate	(DMP)	[131-11-3]		
	1225.12	Diethyl phthalate	(DEP)	[84-66-2]		
	1226.16	Di-n-butyl phthalate	(DBP)	[84-74-2]		
	1227.19	Benzylbutyl phthalate	(BBP)	[85-68-7]		
	1223.24	Di-n-octyl phthalate	(DNOP, DOP)	[117-84-0]		
	1224.24	Bis(2-ethylhexyl) phthalate	(BEHP)	[117-81-7]		
	S-4233-2K-HX 1 x 1 mL ampoule in hexane					
	S-4233-2K-HXx5, 5 x 1 mL ampoules in hexane					
	S-4233-2K-5HC, 1 x 5 mL screwcap bottle in hexane					
EPA 606 Phthalate Esters in Waste Water by GC-ECD						EPA 606
Phthalate Mix 06		6 Compounds at assorted concentrations in acetone				
Catalogue No.	Part No.	Name	Abbreviation	CAS No.	Conc.	
S-4234	2094.1	Dimethyl phthalate	(DMP)	[131-11-3]	250 µL/mL	
	1225.12	Diethyl phthalate	(DEP)	[84-66-2]	250 µL/mL	
	1226.16	Di-n-butyl phthalate	(DBP)	[84-74-2]	250 µL/mL	
	1227.19	Benzylbutyl phthalate	(BBP)	[85-68-7]	100 µL/mL	
	1223.24	Di-n-octyl phthalate	(DNOP, DOP)	[117-84-0]	500 µL/mL	
	1224.24	Bis(2-ethylhexyl) phthalate	(BEHP)	[117-81-7]	500 µL/mL	
	S-4234-ASS-AC, 1 x 1 mL ampoule in acetone					
	S-4234-ASS-ACx5, 5 x 1 mL ampoules in acetone					
	S-4234-ASS-SAC, 1 x 5 mL screwcap bottle in acetone					
EPA 606 Phthalate Esters in Waste Water by GC-ECD						EPA 606
Phthalate Mix 10		6 Compounds at 2000 µg/mL in hexane				
Catalogue No.	Part No.	Name	Abbreviation	CAS No.		
S-4233	2094.10	Dimethyl phthalate	(DMP)	[131-11-3]		
	1225.12	Diethyl phthalate	(DEP)	[84-66-2]		
	1226.16	Di-n-butyl phthalate	(DBP)	[84-74-2]		
	1227.19	Benzylbutyl phthalate	(BBP)	[85-68-7]		
	1223.24	Di-n-octyl phthalate	(DNOP, DOP)	[117-84-0]		
	1224.24	Bis(2-ethylhexyl) phthalate	(BEHP)	[117-81-7]		
	S-4233-2K-HX, 1 x 1 mL ampoule in hexane					
	S-4233-2K-HXx5, 5 x 1 mL ampoules in hexane					
	S-4233-2K-HXx10, 10 x 1 mL ampoules in hexane					
	S-4233-2K-5HX, 1 x 5 mL screwcap bottle in hexane					

Phthalate / Plasticizer Mixtures

EPA 8061A, Phthalate esters in Sludge Matrixes

EPA 8061A, Phthalate Esters in Sludge Matrixes by GC-ECD					EPA 8061A
Phthalate Mix 07		16 Compounds at 1000 µg/mL in isoctane			
Catalogue No.	Part No.	Name	Abbreviation	CAS No.	
S-4235	2097.14	Bis(2-methoxyethyl) phthalate	(DMEP)	[34006-76-3]	
	2096.16	Bis(2-ethoxyethyl) phthalate	(DEEP)	[605-54-9]	
	2095.20	Bis(2-n-butoxyethyl) phthalate (86%)	(DBEP)	[117-83-9]	
	2094.10	Dimethyl phthalate	(DMP)	[131-11-3]	
	1225.12	Diethyl phthalate	(DEP)	[84-66-2]	
	1226.16	Di-n-butyl phthalate	(DBP)	[84-74-2]	
	2102.16	Diisobutyl phthalate	(DiBP)	[84-69-5]	
	2099.18	Di-n-amyl phthalate (di-n-pentyl p.)	(DPP)	[131-18-1]	
	2101.20	Di-n-hexyl phthalate	(DHP)	[84-75-3]	
	2100.20	Dicyclohexyl phthalate	(DcHP)	[84-61-7]	
	1223.24	Di-n-octyl phthalate	(DOP)	[117-84-0]	
	2110.26	Di-n-nonyl phthalate	(DNP)	[84-76-4]	
	2098.20	Bis(4-methyl-2-pentyl) phthalate		[259139-51-0]	
	2103.22	(2-Ethylhexyl)hexyl phthalate		[75673-16-4]	
	1224.24	Bis(2-ethylhexyl) phthalate	(DEHP)	[117-81-7]	
	1127.17	Benzyl-n-butyl phthalate	(BBP)	[85-68-7]	
	S-4235-K-IOx5, 1 x 1 mL ampoules in isoctane				
	S-4235-K-IOx5, 5 x 1 mL ampoules in isoctane				
	S-4235-K-5IO, 1 x 5 mL screwcap bottle in isoctane				

Phthalate Calibration Mixes

Phthalate Calibration Standard 1 (Natives + IS)		Calibration Mixes				
Phthalate Mix 08		SET of 13 Compounds at assorted concentrations in n-hexane				
Part No.	Product [CAS]	S-4327-1	S-4327-2	S-4327-3	S-4327-4	S-4327-5
S-4327-SET						
		ng/ml	ng/ml	ng/ml	ng/ml	ng/ml
1225.12	Diethyl phthalate [84-66-2]	100	500	2000	5000	10000
8779.14	Di-n-propyl phthalate [131-16-8]	100	500	2000	5000	10000
1226.16	Di-n-butyl phthalate [84-74-2]	100	500	2000	5000	10000
2099.18	Di-n-pentyl phthalate [131-18-0]	100	500	2000	5000	10000
2101.20	Di-hexyl phthalate [84-75-3]	1000	5000	20000	50000	100000
2100.20	Dicyclohexyl phthalate [84-61-7]	1000	5000	20000	50000	100000
1227.19	Butylbenzyl phthalate [85-68-7]	1000	5000	20000	50000	100000
1224.24	Bis(2-ethylhexyl) phthalate [117-81-7]	1000	5000	20000	50000	100000
1228.22	Bis(2-ethylhexyl) adipate [103-23-1]	1000	5000	20000	50000	100000
2892.12	Diethyl phthalate-d4 [93952-12-6]	1000	1000	1000	1000	1000
2479.16	Di-n-butyl phthalate-d4 [93952-11-5]	1000	1000	1000	1000	1000
2893.18	Di-n-pentyl phthalate-d4 [358730-89-9]	1000	1000	1000	1000	1000
2894.24	Bis(2-ethylhexyl) phthalate-d4 [93951-87-2]	10000	10000	10000	10000	10000
	S-4327-1, 1 x 1 mL ampoule in n-hexane					
	S-4327-2, 1 x 1 mL ampoule in n-hexane					
	S-4327-3, 1 x 1 mL ampoule in n-hexane					
	S-4327-4, 1 x 1 mL ampoule in n-hexane					
	S-4327-5, 1 x 1 mL ampoule in n-hexane					
	S-4327-SET, 5 x 1 mL ampoule one each of S-4327-1 to -5, all in n-hexane					

Phthalate / Plasticizer Mixtures

Phthalate Calibration Standard 2 (Natives + IS)						Calibration Mixes
Phthalate Mix 12		SET of 9 Compounds in assorted concentrations in n-hexane				
Part No.	Product [CAS]	CS1	CS2	CS3	CS4	CS5
S-4427						
		ng/ml	ng/ml	ng/ml	ng/ml	ng/ml
1225.12	Diethyl phthalate [84-66-2]	0.1	0.5	2	5	10
1226.16	Di-n-butyl phthalate [84-74-2]	0.1	0.5	2	50	10
1227.19	Benzyl-n-butyl phthalate [85-68-7]	1	5	20	50	100
1224.24	Bis(2-ethylhexyl) phthalate [117-81-7]	1	5	1	1	100
1228.22	Bis(2-ethylhexyl) adipate [103-23-1]	1	5	20	1	100
2892.12	Diethyl phthalate-3,4,5,6-d4 [93952-12-6]	1	1	10	1	1
2479.16	Di-n-butyl phthalate-3,4,5,6-d4 [93952-11-5]	1	1	1	1	1
2893.18	Di-n-pentyl phthalate-3,4,5,6-d4 [358730-89-9]	1	1	1	1	1
2894.24	Bis(2-ethylhexyl) phthalate-3,4,5,6-d4 [93951-87-2]	10	10	1	10	10
	S-4427-CS1-HX, 1 x 1 mL ampoule in n-hexane					
	S-4427-CS2-HX, 1 x 1 mL ampoule in n-hexane					
	S-4427-CS3-HX, 1 x 1 mL ampoule in n-hexane					
	S-4427-CS4-HX, 1 x 1 mL ampoule in n-hexane					
	S-4427-CS5-HX, 1 x 1 mL ampoule in n-hexane					
	S-4427-SET, 1 x 1 ml of each S-4427-CS1-to -CS5					
Deuterated phthalate IS-Mixture, Diethyl-, Di-n-Butyl-, Bis(ethylhexyl) Phthalates						
Phthalate Mix 13		3 Compounds in assorted concentration in n-hexane				
Catalogue No.	Part No.	Name	Abbreviation	CAS No.	Conc.	
S-4428	2479.16	Di-n-butyl phthalate-3,4,5,6-d4	(DBP-d4)	[93952-11-5]	100 µg/mL	
	2892.12	Diethyl phthalate-3,4,5,6-d4	(DEP-d4)	[93952-12-6]	100 µg/mL	
	2894.24	Bis(2-ethylhexyl) phthalate-3,4,5,6-d4	(DEHP-d4)	[93951-87-2]	1000 µg/mL	
	S-4428-ASS-HX, 1 x 1 mL ampoule in n-hexane					
	S-4428-ASS-HXx5, 5 x 1 mL ampouls in n-hexane					
	S-4428-ASS-HXx10, 10 x 1 mL in n-hexane					
Deuterated Phthalate Recovery Standard						IS-Mix
Phthalate Mix 14		1 Compound at 100 µg/mL				
Catalogue No.	Part No.	Name	Abbreviation	CAS No.		
S-4429	2893.18	Di-n-pentylphthalate-3,4,5,6-d4	(DPP-d4)			
	S-4429-100-HXx10, 10 x 1 mL crimp-top vials in n-hexane					
	= 2893.18-100-HXx10					
S-4430-SET Phthalate Mixture Set of 7 ampoules: S-4427, S-4428, and S-4429						
Phthalate Mix 15						

Phthalate / Plasticizer Mixtures

Deuterated Phthalate Mixes (IS-mixes), 2 to 9 Compounds

Deuterated Phthalates IS-Mixture, Isobutyl-/Bis(2-ethylhexyl) phthalates						IS-Mix
Phthalate Mix 23						2 compounds at 1000 µg/mL and 10 000 µg/mL in acetone
Catalogue No.	Part No.	Name	Abbreviation	CAS No.		
S-4727	3123.16	Diisobutyl phthalate-3,4,5,6-d4	(DiBP-d4)	[358730-88-8]		
	2894.24	Bis(2-ethylhexyl) phthalate-3,4,5,6-d4	(DEHP-d4)	[93951-87-2]		
	S-4727-K-AC, 1 x 1 mL ampoule in acetone					
	S-4727-10K-AC, 1 x 1 mL ampoule in acetone					
	S-4727-10K-ACx10, 10 x 1 mL ampoule in acetone					
Deuterated Phthalate IS-Mixture, Di-n-Butyl-/Bis(2-Ethylhexyl) Phthalates						IS-Mix
Phthalate Mix 38						2 Compounds each at 100 µg/mL in acetone
Catalogue No.	Part No.	Name	Abbreviation	CAS No.		
S-4931	2479.16	Di-n-butyl phthalate-3,4,5,6-d4	(DBP-d4)	[93952-11-5]		
	2894.24	Bis(2-ethylhexyl) phthalate-3,4,5,6-d4	(DEHP-d4)	[93951-87-2]		
	S-4931-100-AC, 1 x 1 mL ampoule in acetone					
	S-4931-100-ACx10, 10 x 1 mL ampoules in acetone					
Deuterated phthalate IS-Mixture, Diethyl-, Di-n-Butyl-, Bis(ethylhexyl) Phthalates						IS-Mix
Phthalate Mix 09						3 Compounds at 100 µg/mL (100 000 ng/mL) in n-hexane
Catalogue No.	Part No.	Name	Abbreviation	CAS No.	Conc.	
S-4328	2892.12	Diethyl phthalate-d4	(DEP-d4)	[93952-12-6]	100 000 ng/mL	
	2479.16	Di-n-butyl phthalate-d4	(DBP-d4)	[93952-11-5]	100 000 ng/mL	
	2894.24	Bi(2-ethylhexyl) phthalate-d4	(DEHP-d4)	[93951-87-2]	100 000 ng/mL	
	S-4328-100-HXx10, 10 x 1 mL crimp top bottle in n-hexane					
	S-4328-100-HX, 1 x 1 mL ampoule in n-hexane					
Deuterated phthalate IS-Mixture, Diethyl-, Di-n-Butyl-, Bis(ethylhexyl) Phthalates						IS-Mix
Phthalate Mix 13						3 Compounds in assorted concentration in n-hexane
Catalogue No.	Part No.	Name	Abbreviation	CAS No.	Conc.	
S-4428	2479.16	Di-n-butyl phthalate-3,4,5,6-d4	(DBP-d4)	[93952-11-5]	100 µg/mL	
	2892.12	Diethyl phthalate-3,4,5,6-d4	(DEP-d4)	[93952-12-6]	100 µg/mL	
	2894.24	Bis(2-ethylhexyl) phthalate-3,4,5,6-d4	(DEHP-d4)	[93951-87-2]	1000 µg/mL	
	S-4428-ASS-HX, 1 x 1 mL ampoule in n-hexane					
	S-4428-ASS-HXx5, 5 x 1 mL ampoules in n-hexane					
	S-4428-ASS-HXx10, 10 x 1 mL in n-hexane					

Phthalate / Plasticizer Mixtures

Deuterated Phthalates and PAHs IS-Mixture					IS-Mix
Phthalate Mix 21					9 Compounds at 2000 µg/mL in dichloromethane
Catalogue No.	Part No.	Name	Abbreviation	CAS No.	
S-4708	9966.6	ortho-Bromoaniline		[615-36-1]	
	0978.10	Naphthalene-d8	(N-d8)	[1146-65-2]	
	0329.16	Pyrene-d10		[1718-52-1]	
	2478.10	Dimethyl phthalate-3,4,5,6-d4	(DMP-d4)	[93951-89-4]	
	2892.12	Diethyl phthalate-3,4,5,6-d4	(DET-d4)	[93952-12-6]	
	2893.18	Di-n-pentyl phthalate-3,4,5,6-d4	(DBP-d4)	[358730-89-9]	
	3125.18	Benzyl-n-butyl phthalate-3,4,5,6-d4	(BBP-d4)	[93951-88-3]	
	2884.24	Bis(2-ethylhexyl) phthalate-3,4,5,6-d4	(DEHP-d4)	[93951-87-2]	
	2361.24	Di-n-octylphthalate-3,4,5,6-d4	(DOP-d4)	[93952-13-7]	
	S-4708-2K-DC, 1 x 1 mL Certan-bottle in dichloromethane				
	S-4708-2K-DCx5, 5 x 1 mL Certan-bottle in dichloromethane				
	S-4708-2K-DCx10, 1 x 1 mL Certan-bottle in dichloromethane				
Deuterated Phthalate IS-Mixture, Dimethyl- to Didecyl Phthalates					
Phthalate Mix 03					9 Compounds at 1000 µg/mL in isoctane
Catalogue No.	Part No.	Name	Abbreviation	CAS No.	
S-4807	2478.1	Dimethyl phthalate-3,4,5,6-d4	(DMP-d4)	[93951-89-4]	
	2892.12	Diethyl phthalate-3,4,5,6-d4	(DEP-d4)	[93952-12-6]	
	9365.14	Di-n-propyl phthalate-3,4,5,6-d4	(DPP-d4)	[358731-29-0]	
	2479.16	Di-n-butyl phthalate-3,4,5,6-d4	(DBP-d4)	[93952-11-5]	
	3125.18	Benzyl-n-butyl phthalate-3,4,5,6-d4	(BBP-d4)	[93951-88-3]	
	9366.20	Dicyclohexyl phthalate-3,4,5,6-d4	(DCHP-d4)	[358731-25-6]	
	2361.24	Di-n-octyl phthalate-3,4,5,6-d4	(DnOP-d4)	[93952-13-7]	
	2894.24	Bis(2-ethylhexyl) phthalate-3,4,5,6-d4	(DEHP-d4)	[93951-87-2]	
	10588.28	Didecyl phthalate-3,4,5,6-d4	(DDcP-d4)	[1276197-18-2]	
	S-4807-K-IO, 1 x 1 mL ampoule in isoctane				
	S-4807-K-IOx5, 5 x 1 mL ampoules in isoctane				
	S-4807-K-IOx10, 10 x 1 mL ampoules in isoctane				

Phthalate / Plasticizer Mixtures

Mixes of Technical Phthalate Products

Phthalate C9 and C10 isomers mixture				
Phthalate Mix 22 2 Compounds at 1000 µg/mL in isooctane				
Catalogue No.	Part No.	Name	Abbreviation	CAS No.
S-4710	9916.26	Di-isononyl phthalate in mixture with C8-10-branched alkyl o-phthalate, C9-rich	(DiNP)	[68515-48-0]
	3049.28	Di-isodecyl phthalate in mixture with C9-11-branched alkyl o-phthalate, C10 rich	(DiDcP)	[68515-49-1]
	S-4710-K-IO, 1 x 1 mL ampoule in isooctane			
	S-4710-K-IOx10, 1 x 1 mL ampoule in isooctane			
Synthetic Santicizer 711, Phthalate C7-C11 isomers mixture				
Phthalate Mix 03 4 Compounds at 1000 µg/mL in methanol				
Catalogue No.	Part No.	Name	Abbreviation	CAS No.
S-4864	10704.22	Diisooheptyl phthalate	(DIHP, DIHP)	[71888-89-6]
	8741.24	Diisooctyl phthalate, techn., mixture of C8 isomers	(DIOP, DIOP)	[27554-26-3]
	9916.26	Diisononyl phthalate in mixture with C8-C10 branched alkyl o-phthalate, C9 rich	(DiNP)	[68515-48-0]
	3049.28	Diisodecyl phthalate in mixture with C9-C11 branched alkyl o-phthalate, C10 rich	(DiDcP)	[68515-49-1]
	S-4864-K-ME, 1 x 1 mL screwcap bottle in methanol			
	S-4864-K-MEx5, 5 x 1 mL ampoules in methanol			
	S-4864-K-10ME, 1 x 10 mL ampoule in methanol			
Phthalate C7-C10 Isomers mixture				
Phthalate Mix 02 5 Compounds at 1000 µg/mL in methanol				
Catalogue No.	Part No.	Name	Abbreviation	CAS No.
S-4848	10887.20	Diisohexyl phthalate, techn.	(DIHP)	[68515-50-4]
	10704.22	Diisooheptyl phthalate	(DIHeP)	[71888-89-6]
	8741.24	Diisooctyl phthalate, techn., mixture of C8 isomers	(DIOP)	[27554-26-3]
	9916.26	Diisononyl phthalate in mixture with C8-C10, branched alkyl o-phthalate, C9 rich	(DiNP)	[68515-48-0]
	3049.28	Diisodecyl phthalate in mixture with C9-C11, branched alkyl o-phthalate, C10 rich	(DiDcP)	[68515-49-1]
	S-4848-K-ME, 1 x 1 mL ampoule in methanol			
	S-4848-K-MEx5, 5 x 1 mL ampoules in methanol			
	S-4848-K-10ME, 1 x 10 mL screwcap bottle in methanol			

Phthalate / Plasticizer Mixtures

Miscellaneous Surfactant Mixes, 2 to 20 Compounds

Di-n-Octyl- / Bis(2-ethylhexyl) Phthalates Mixture					
Phthalate Mix 36 2 Compounds at 100 µg/mL in toluene					
Catalogue No.	Part No.	Name	Abbreviation	CAS No.	
S-4074	1224.24	Bis(2-ethylhexyl) phthalate	(BEHP)	[117-81-7]	
	1223.24	Di-n-octyl phthalate	(DNOP)	[117-84-0]	
S-4074-100-T, 1 x 1 mL ampoule in toluene					
S-4074-100-5T, 1 x 5 mL screwcap bottle in toluene					
Pentylisopentyl Phthalates Mixture					
Phthalate Mix 28 3 Compounds in neat assorted mixture					
Catalogue No.	Part No.	Name	Abbreviation	CAS No.	Composition
S-4868	8539.18	n-Pentylisopentyl phthalate	(PIPP)	[776297-69-9]	50 weight %
	8425.18	Diisopentyl phthalate	(DIPP)	[605-50-5]	25 weight %
	2099.18	Di-n-pentyl phthalate	(DnPP)	[131-18-0]	25 weight %
S-4868-100MG, 100 mg neat in 1 mL screwcap bottle					
Phthalate C12 to C26 (diethyl- to diisononyl-)					
Phthalate Mix 35 7 Compounds at 1000 µg/mL in isooctane					
Catalogue No.	Part No.	Name	Abbreviation	CAS No.	
S-4002	1225.12	Diethyl phthalate	(DEP)	[84-66-2]	
	1226.16	Di-n-butyl phthalate	(DBP, DNBP)	[84-74-2]	
	1227.17	Benzyl butyl phthalate	(BBP)	[85-68-7]	
	1228.22	Bis(2-ethylhexyl) adipate	(BEHA)	[103-23-1]	
	1223.24	Di-n-octyl phthalate	(DOP, DNOP)	[117-84-0]	
	1224.24	Bis(2-ethylhexyl) phthalate	(BEHP)	[117-81-7]	
	9916.26	Di-Isononyl phthalate in mixture with C8-10-branched alkyl o-phthalate , C9-rich		[68515-48-0]	
S-4002-K-IO, 1 x 1 mL ampoule in isooctane					
S-4002-K-IOx10, 10 x 1 mL ampoules in isooctane					
Screwcap in methanol					
Phthalate Mix 11 7 Compounds at 400 µg/mL in methanol					
Catalogue No.	Part No.	Name	Abbreviation	CAS No.	
S-4385	1225.12	Diethyl phthalate	(DEP)	[84-66-2]	
	1226.16	Di-n-butyl phthalate	(DBP)	[84-74-2]	
	1227.19	Benzyl-n-butyl phthalate	(BBP)	[85-68-7]	
	1224.24	Bis(2-ethylhexyl) phthalate	(DEHP)	[117-81-7]	
	1223.24	Di-n-octyl phthalate	(DOP, DNOP)	[117-84-0]	
	9916.26	Di-Isononyl phthalate in mixture with C8-10-branched alkyl o-phthalate , C9-rich	(DiNP)	[68515-48-0]	
	1228.22	Bis(2-ethylhexyl) adipate	(DEHP)	[103-23-1]	
S-4385-400-10ME, 1 x 10 mL screwcap bottle in methanol					
S-4385-400-MEx10, 10 x 1 mL ampoules in methanol					
S-4385-400-1.5MEx10, 10 x 1.5 mL in 2 mL ampoules in methanol					

Phthalate / Plasticizer Mixtures

Phthalate C14 to C24, Dibutyl- to Dioctyl- Mixture, 7 Compounds				
Phthalate Mix 20 7 Compounds at 1000 µg/mL in acetone				
Catalogue No.	Part No.	Name	Abbreviation	CAS No.
S-4707	1226.16	Di-n-butyl phthalate	(DBP)	[84-74-2]
	1227.19	Benzyl-n-butyl phthalate	(BBP)	[85-68-7]
	1224.24	Bis(2-ethylhexyl) phthalate	(DEHP)	[117-81-7]
	1223.24	Di-n-octyl phthalate	(DOP)	[117-84-0]
	2097.14	Bis(2-methoxyethyl) phthalate	(DMEP)	[117-82-8]
	8425.18	Diisopentyl phthalate	(DiPP)	[605-50-5]
	2099.18	Di-n-pentyl phthalate	(DPP, DNPP?)	[131-18-0]
	S-4707-K-AC, 1 x 1 mL ampoule in acetone			
	S-4707-K-ACx5, 5 x 1 mL ampoules in acetone			
	S-4707-K-ACx10, 10 x 1 mL ampoules in acetone			
Phthalate Butyl to isodecyl Mixture, 7 Compounds				
Phthalate Mix 17 7 Compounds each 100 µg/mL in isooctane				
Catalogue No.	Part No.	Name	Abbreviation	CAS No.
S-4658	1226.16	Di-n-butyl phthalate	(DBP)	[84-74-2]
	2102.16	Diisobutyl phthalate	(DiBP)	[84-69-5]
	1227.19	Benzyl-n-butyl phthalate	(BBP)	[85-68-7]
	1224.24	Bis(2-ethylhexyl) phthalate	(DEHP)	[117-81-7]
	1223.24	Di-n-octyl phthalate	(DOP)	[117-84-0]
	9916.26	Di-Isononyl phthalate in mixture with C8-10-branched alkyl o-phthalate, C9-rich	(DiNP)	[68515-48-0]
	3049.28	Diisodecyl phthalate in mixture with C9-11-branched alkyl o-phthalate, C10 rich		68515-49-1
	S-4658-100-IO, 1 x 1 mL ampoule in isooctane			
	S-4658-100-IOx5, 5 x 1 mL ampoules in isooctane			
Phthalate Methyl to Decyl Mixture, 9 Compounds				
Phthalate Mix 01 9 Compounds at 1000 µg/mL in isooctane				
Catalogue No.	Part No.	Name	Abbreviation	CAS No.
S-4806	2094.10	Dimethyl phthalate	(DMP)	[131-11-3]
	1225.12	Diethyl phthalate	(DEP)	[84-66-2]
	8779.14	Di-n-propyl phthalate	(DPP)	[131-16-8]
	1226.16	Di-n-butyl phthalate	(DBP)	[84-74-2]
	1227.19	Benzyl-n-butyl phthalate	(BBP)	[85-68-7]
	2100.20	Dicyclohexyl phthalate	(DCHP)	[84-61-7]
	1224.24	Bis(2-ethylhexyl) phthalate	(DEHP)	[117-81-7]
	1223.24	Di-n-octyl phthalate	(DOP, DnOP)	[117-84-0]
	10587.28	Didecyl phthalate	(DDcP)	[84-77-5]
	S-4806-K-IOx5, 5 x 1 mL ampoules in isooctane			
	S-4806-K-IOx10, 10 x 1 mL ampoules in isooctane			
	S-4002-K-IOx10, 10 x 1 mL ampoules in isooctane			

Phthalate / Plasticizer Mixtures

Phthalate Methyl to Octyl Mixture, 10 Compounds				
Phthalate Mix 16 10 Compounds at 100 µg/mL in dichloromethane				
Catalogue No.	Part No.	Name	Abbreviation	CAS No.
S-4574	2094.10	Dimethyl phthalate	(DNP)	[131-11-3]
	1225.12	Diethyl phthalate	(DEP)	[84-66-2]
	8779.14	Di-n-butyl phthalate	(DBP)	[84-74-2]
	8945.14	Diisopropyl phthalate	(DiPrP)	[605-45-8]
	1226.16	Di-n-butyl phthalate	(DBP)	[84-74-2]
	2101.16	Diisobutyl phthalate	(DiBP)	[84-69-5]
	2099.18	Di-n-pentyl phthalate	(DPP)	[131-18-0]
	1227.19	Benzyl-n-butyl phthalate	(DBB)	[85-68-7]
	1224.24	Bis(ethylhexyl) phthalate	(DEHP)	[117-81-7]
	1223.24	Di-n-octyl phthalate	(DOP)	[117-84-0]
	S-4574-100-DC, 1 x 1 mL Certan-bottle in dichloromethane			
	S-4574-100-DCx5, 5 x 1 mL Certan-bottle in dichloromethane			
	S-4574-100-DCx10, 10 x 1 mL Certan-bottle in dichloromethane			
Phthalate Butyl to Isodecyl Mixture, 10 Compounds				
Phthalate Mix 19 10 Compounds at 1000 µg/mL in isoctane				
Catalogue No.	Part No.	Name	Abbreviation	CAS No.
S-4771	1226.16	Di-n-butyl phthalate	(DBP)	[84-74-2]
	2102.16	Diisobutyl phthalate (di-2-methylpropyl p.)	(DiBP)	[84-69-5]
	2099.18	Di-n-pentyl phthalate	(DPP)	[131-18-09]
	8425.18	Diisopentyl phthalate (diisoamyl p.)	(DiPP)	[605-50-5]
	2101.20	Di-n-hexyl phthalate	(DHP)	[84-75-3]
	1223.24	Di-n-octyl phthalate	(DOP)	[117-84-0]
	1227.19	Benzyl-n-butyl phthalate	(BBP)	[85-68-7]
	1224.24	Bis(2-ethylhexyl) phthalate	(DEHP)	[117-81-7]
	9957.28	Di-iso-decyl phthalate (C10-alkyl ester isomer mix)	(DiDCP)	[26761-40-0]
		S-4771-K-IO, 1 x 1 mL ampoule in isoctane		
	S-4771-K-IOx5, 5 x 1 mL ampoule in isoctane			
	S-4771-K-IOx10, 10 x 1 mL ampoule in isoctane			
Phthalates Methyl to Nonyl Mixture, 12 Compounds				
Phthalate Mix 18 12 Compounds at 100 µg/mL in acetone				
Catalogue No.	Part No.	Name	Abbreviation	CAS No.
S-4682	2094.10	Dimethyl phthalate	(DMP)	[131-11-3]
	1225.12	Diethyl phthalate	(DEP)	[84-66-2]
	8779.14	Di-n-propyl phthalate	(DPPrP)	[131-16-8]
	8945.14	Diisopropyl phthalate	(DiPrP)	[605-45-8]
	1226.16	Di-n-butyl phthalate	(DBP)	[84-74-2]
	2102.16	Di-Isobutyl phthalate	(DiBP)	[84-69-5]
	2099.18	Di-n-pentyl phthalate	(DPeP)	[131-18-0]
	8721.22	Di-n-heptyl phthalate	(DHP)	[3648-21-3]
	1223.24	Di-n-octyl phthalate	(DOP)	[117-84-0]
	1224.24	Bis(2-ethylhexyl) phthalate	(DEHP)	[117-81-7]
	2110.26	Di-n-nonyl phthalate	(DNP)	[84-76-4]
	1227.19	Benzyl-n-butyl phthalate	(BBP)	[85-68-7]
	S-4682-100-AC, 1 x 1 mL ampoules in acetone			
	S-4682-100-ACx5, 5 x 1 mL ampoules in acetone			
	S-4682-100-ACx10, 10 x 1 mL ampoules in acetone			

Phthalate / Plasticizer Mixtures

Phthalate Mixture C14-C30 for GC, 20 Compounds (ENDO Stocksolution for GC)				
Phthalate Mix 29 20 Compounds at 100 µg/mL in isoctane				
Catalogue No.	Part No.	Name	Abbreviation	CAS No.
S-4951	0390.14	Anthracene-d10		[1719-06-8]
	2044.15	4-Nonylphenol, mixture of nonyl isomers, "Type A"	(NP)	[84852-15-3]
	1450.15	4-n-Nonylphenol	(nNP)	[104-40-5]
	2097.14	Bis(2-methoxyethyl) phthalate		[117-82-8]
	1445.14	4-n-Octylphenol	(OP)	[1806-26-4]
	1446.14	4-tert-Octylphenol	(tOP)	[140-66-9]
	1226.16	Di-n-butyl phthalate	(DBP, DnBP)	[84-74-2]
	2102.16	Diisobutyl phthalate (di-2-methylpropyl p.)	(DiBP)	[84-69-5]
	2099.18	Di-n-pentyl phthalate (diamyl p.)	(DPP)	[131-18-0]
	8425.18	Diisopentyl phthalate (diisoamyl p.)	(DiIPP)	[605-50-5]
	8539.18	Isopentyl-n-pentyl phthalate (3-methylbutyl-n-pentyl p.)	(PiPP)	[776297-69-9]
	1227.19	Benzyl-n-butyl phthalate	(BBP)	[85-68-7]
	2101.20	Di-n-hexyl phthalate	(DHP, DnHP)	[84-75-3]
	8721.22	Di-n-heptyl phthalate	(DHEP, DnHEP)	[3648-21-3]
	1223.24	Di-n-octyl phthalate	(DOP, DNOP, DnOP)	[117-84-0]
	1224.24	Bis(2-ethylhexyl) phthalate	(DEHP)	[117-81-7]
	8732.30	Di-n-undecyl phthalate	(DUDP)	[3648-20-2]
	10704.22	Di-C6-8 branched C7 rich phthalate	(DiHP, DIHP, Di-HEP, Jayflex® 77)	[71888-89-6]
	9916.26	Diisononyl phthalate in mixture with C8-10-branched alkyl o-phthalate , C9-rich	(DiNP)	[68515-48-0]
	9957.28	Diisodecyl phthalate (C10-alkyl ester isomer mix)	(DiDP, DiDcP))	[26761-40-0]
S-4951-100-IO, 1 x 1 mL ampoule in isoctane				
Phthalate Mixture C16-C20 for LC, 11 nalytes (PHT Stocksolution for LC)				
Phthalate Mix 30 11 Compounds at 100 µg/mL in methanol				
Catalogue No.	Part No.	Name	Abbreviation	CAS No.
S-4952	2097.14	Bis(2-methoxyethyl) phthalate	(DMEP)	[84-74-2]
	1226.16	Di-n-butyl phthalate	(DBP, DnBP)	[605-50-5]
	8425.18	Diisopentyl phthalate (diisoamyl p.)	(DiIPP)	[84-75-3]
	2101.20	Di-n-hexyl phthalate	(DnHP)	[85-68-7]
	1227.19	Benzyl-n-butyl phthalate	(BBP)	[84-75-3]
	10704.22	Di-C6-8 branched C7 rich phthalate	(DiHP, DIHP, Di-HEP, Jayflex® 77)	[71888-89-6]
	1223.24	Di-n-octyl phthalate	(DOP, DNOP, DnOP)	[117-84-0]
	1224.24	Bis(2-ethylhexyl) phthalate	(DEHP)	[117-81-7]
	9916.26	Diisononyl phthalate in mixture with C8-10-branched alkyl o-phthalate , C9-rich	(DiNP)	[68515-48-0]
	9957.28	Diisodecyl phthalate (C10-alkyl ester isomer mix)	(DiDP, DiDcP)	[26761-40-0]
	8732.30	Di-n-undecyl phthalate	(DUDP, DUDcP))	[3648-20-2]
S-4952-100-ME, 1 x 1 mL ampoule in methanol				

Phthalate / Plasticizer Mixtures

Phthalate Mixture C10-C20 for GC, 15 Compounds (ePHT1 Stocksolution for GC)				
Phthalate Mix 31 15 Compounds each 100 µg/mL in isoootane				
Catalogue No.	Part No.	Name	Abbreviation	CAS No.
S-4953	0390.14	Anthracene-d10		[1719-06-8]
	2094.10	Dimethyl phthalate	(DMP)	[131-11-3]
	1225.12	Diethyl phthalate	(DEP)	[84-66-2]
	8779.14	Di-n-propyl phthalate	(DnPrP)	[131-16-8]
	8945.14	Diisopropyl phthalate	(DiPrP)	[605-45-8]
	10610.14	Diallyl phthalate	(DAP monomer)	[131-17-9]
	S-4868	Isopentyl-n-pentyl phthalate	(nPiPP Mix)	[84777-06-0]
	2100.20	Dicyclohexyl phthalate	(DCHP)	[84-61-7]
	8741.24	Diisooctyl phthalate (mixture of C8-isomers)	(DIOP, DiOP)	[27554-26-3]
	1228.22	Bis(2-ethylhexyl) adipate	(BEHA)	[103-23-1]
	2110.26	Di-n-nonyl phthalate	(DNP)	[84-76-4]
	10592.28	Bis(2-propylheptyl) phthalate	(DPHP)	[53306-54-0]
	9656.16	2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	(TXIB)	[6846-50-0]
	12005.20	Tributylacetyl citrate	(Citroflex)	[77-90-7]
	8731.24	Bis(2-ethylhexyl) terephthalate	(DEHTP)	[6422-86-2]
S-4953-100-IO, 1 x 1 mL ampoule in methanol				
Phthalate Mixture C12-C28 for LC, 10 Compounds (ePHT1 Stocksolution for LC)				
Phthalate Mix 32 10 Compounds each 100 µg/mL in methanol				
Catalogue No.	Part No.	Name	Abbreviation	CAS No.
S-4954	1225.12	Diethyl phthalate	(DEP)	[84-66-2]
	10610.14	Diallyl phthalate	(DAP monomer)	[131-17-9]
	8779.14	Di-n-propyl phthalate	(DnPRP)	[131-16-8]
	2100.20	Dicyclohexyl phthalate	(DCHP)	[84-61-7]
	10592.28	Bis(2-propylheptyl) phthalate	(DPHP)	[53306-54-0]
	9656.16	2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	(TXIB)	[6846-50-0]
	12005.20	Tributylacetyl citrate	(Citroflex)	[77-90-7]
	1228.22	Bis(2-ethylhexyl) adipate	(BEHA, DEHP)	[103-23-1]
	8731.24	Bis(2-ethylhexyl) terephthalate	(DEHTP)	[6422-86-2]
	11012.26	Diisononyl cyclohexane-1,2-dicarboxylate	(DINCH)	[166412-78-8]
S-4954-100-ME, 1 x 1 mL ampoule in methanol				

Phthalate / Plasticizer Mixtures

Phthalate Mixture C14-C34 for GC, 13 Compounds (ePHT2 Stcksolution for GC)				
Phthalate Mix 33 13 Compounds each 100 µg/mL in isoocane				
Catalogue No.	Part No.	Name	Abbreviation	CAS No.
S-4955	0390.14	Anthracene-d10		[1719-06-8]
	2096.16	Bis(2-ethoxyethyl) phthalate	(DEEP)	[605-54-9]
	2095.20	Bis(2-n-butoxyethyl) phthalate	(DnBEP)	[117-83-9]
	3807.12	Mono-n-butyl phthalate	(MnBP)	[131-70-4]
	2098.20	Bis(4-methyl-2-pentyl) phthalate	(DMPP)	[84-63-9]
	8733.20	n-Butyl-n-octyl phthalate	(BOP)	[84-78-6]
	2056.20	Diphenyl phthalate	(DPhP)	[84-62-8]
	2054.22	Dibenzyl phthalate	(DBEP)	[523-31-9]
	2103.22	(2-Ethylhexyl)hexyl phthalate (techn., 55% in mixture with dihexyl- and di(2-ethylhexyl) phthalates)	(HEHP Mix)	[75673-16-4] (CAS of single isomer)
	12004.22	Butylcyclohexyl phthalate (Mixture with dibutyl and dicyclohexyl phthalates)	(BCHP Mix)	[84-64-0]
	12003.26	n-Decyl-n-octyl phthalate (mixture with dioctyl and didecyl phthalates)	(nDnOP, nOnDP)	[119-07-3] (CAS of n-Decyl-n-octyl ph.)
	12002.34	Di-n-tridecyl phthalate	(DTDP)	[119-06-2]
	10587.28	Di-n-decyl phthalate	(DDcP, DnDcP)	[84-77-5]
S-4955-100-IO, 1 x 1 mL ampoule in isoocane				
Phthalate Mixture C12-C34 for LC, 11 Compounds (ePHT2 Stcksolution for LC)				
Phthalate Mix 34 11 Compounds at 100 µg/mL in methanol				
Catalogue No.	Part No.	Name	Abbreviation	CAS No.
S-4956	3807.12	Mono-n-butyl phthalate	(MnBP)	[131-70-4]
	2096.16	Bis(2-ethoxyethyl) phthalate	(DEEP)	[605-54-9]
	8733.20	n-Butyl-n-octyl phthalate	(BOP)	[84-78-6]
	2095.20	Bis(2-n-butoxyethyl) phthalate	(DnBEP)	[117-83-9]
	2098.20	Bis(4-methyl-2-pentyl) phthalate	(DMPP)	[84-63-9]
	2056.20	Diphenyl phthalate	(DPhP)	[84-62-8]
	2103.22	Hexyl-2-ethylhexyl phthalate (techn., 55% in mixture with dihexyl- and di(2-ethylhexyl) phthalates)	(HEHP Mix)	[75673-16-4] (CAS of single isomer)
	2054.22	Dibenzyl phthalate	(DBEP)	[523-31-9]
	12004.22	Butylcyclohexyl phthalate (Mixture with dibutyl and dicyclohexyl phthalates)	(BCHP Mix)	[84-64-0]
	12003.26	n-Decyl-n-octyl phthalate (mixture with dioctyl and didecyl phthalates)	(nOnDP Mix)	[119-07-3] (CAS of n-Decyl-n-octyl ph.)
	12002.34	Di-n-tridecyl phthalate	(DTDP)	[119-06-2]
S-4956-100-ME, 1 x 1 mL ampoule in methanol				



*For ordering and information about prices and delivery in your country, please contact your **local distributor:***