

Pesticide Standards



Summary of Features & Benefits:

Commercial Benefits

- Ready to use (dilute for use as calibration and/or quality control standards)
- Extensive range of organic compound mixes and single compound standards available
- Can be used with a variety of instruments including GC, GC-MS, HPLC and LC-MS
- Designed specifically for use in EPA or EU analytical methods
- Presented in high quality amber ampoules
- Customised formulations available

Technical Benefits

- Produced in accordance with EPA methods
- Consistency of product - Independent, Traceable, Certified
- Ideal for use in EPA 500, 600 and 8000 series methods
- Certificates of Analysis and Safety Data Sheets available online

These products are prepared gravimetrically on a weight/volume basis. Both solute and solvent are prepared using equipment calibrated by Reagecon engineers. Reagecon holds IEC/ISO 17025 accreditation for calibration of laboratory balances and pipettes (INAB Ref:265C). The resulting equipment Calibration Certificates are issued in accordance with the requirements of ISO/IEC 17025. The results are then reported and certified in $\mu\text{g/ml}$ on the basis of weight and the density measurement of the standard. Reagecon is IEC/ISO 17025 (INAB Ref:264T) Accredited for density measurement using an Oscillating U-Tube Method in accordance with the ASTM D4052 method. The concentration of each standard is verified using a high performance calibrated Liquid Chromatograph - Mass Spectrometer (LC-MS Instrument) or Gas Chromatograph - Mass Spectrometer (GC-MS Instrument). The calibration of both of these instruments are completed using high purity ISO Guide 34 accredited Pesticide standards similar in Pesticide concentration value to these products. The mass spectrum of each of the analytes is confirmed by comparison with the National Institute of Standards and Technology (NIST) mass spectral library.



Product No.	Description in Acetone	Concentration	US EPA Methods	Packed in Ampoule
REPET001 (16 Compound Mix)	Alachlor	50µg/ml	505	1ml
	Aldrin	5µg/ml		
	Atrazine	250µg/ml		
	Lindane (HCH-gamma)	5µg/ml		
	alpha-Chlorodane	5µg/ml		
	gamma-Chlorodane	5µg/ml		
	Dieldrin	5µg/ml		
	Endrin	5µg/ml		
	Heptachlor	5µg/ml		
	Heptachlor Epoxide	5µg/ml		
	Hexachlorobenzene	5µg/ml		
	Hexachlorocyclopentadiene	5µg/ml		
	Methoxychlor	25µg/ml		
	cis-Nonachlor	5µg/ml		
	trans-Nonachlor	5µg/ml		
	Simazine	250µg/ml		

Product No.	Description in Acetone	Concentration	US EPA Methods	Packed in Ampoule
REPET002 (16 Compound Mix Organochloride Pesticides)	Alachlor	50µg/ml	505	1ml
	Aldrin	5µg/ml		
	Atrazine	250µg/ml		
	Lindane (HCH-gamma)	5µg/ml		
	alpha-Chlorodane	5µg/ml		
	gamma-Chlorodane	5µg/ml		
	Dieldrin	10µg/ml		
	Endrin	10µg/ml		
	Heptachlor	5µg/ml		
	Heptachlor Epoxide	5µg/ml		
	Hexachlorobenzene	5µg/ml		
	Hexachlorocyclopentadiene	15µg/ml		
	Methoxychlor	50µg/ml		
	cis-Nonachlor	10µg/ml		
	trans-Nonachlor	10µg/ml		
	Simazine	500µg/ml		

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPET003 (18 Compound Mix Chlorinated Pesticides)	Aldrin	Each analyte at	508	1ml
	Lindane (HCH-gamma)	1000µg/ml in high purity		
	HCH-alpha	Methyl-tert Butyl Ether		
	HCH-beta			
	HCH-delta			
	4,4'-DDD			
	4,4'-DDE			
	4,4'-DDT			
	Dieldrin			
	Endosulfan I (alpha)			
	Endosulfan II (beta)			
	Endosulfan sulfate			
	Endrin			
	Endrin aldehyde			
	Endrin ketone			
	Heptachlor			
	Heptachlor Epoxide			
	Methoxychlor			

Product No.	Description in Methyl-tert Butyl Ether	Concentration	US EPA Methods	Packed in Ampoule
REPET004 (18 Compound Mix Chlorinated Pesticides)	Aldrin	5µg/ml	508	1ml
	Lindane (HCH-gamma)	5µg/ml		
	HCH-alpha	5µg/ml		
	HCH-beta	5µg/ml		
	HCH-delta	5µg/ml		
	4,4'-DDD	10µg/ml		
	4,4'-DDE	10µg/ml		
	4,4'-DDT	10µg/ml		
	Dieldrin	10µg/ml		
	Endosulfan I (alpha)	5µg/ml		
	Endosulfan II (beta)	10µg/ml		
	Endosulfan sulfate	10µg/ml		
	Endrin	10µg/ml		
	Endrin aldehyde	10µg/ml		
	Endrin ketone	5µg/ml		
	Heptachlor	5µg/ml		
	Heptachlor Epoxide	5µg/ml		
	Methoxychlor	50µg/ml		

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPET005 (12 Compound Mix Pesticides)	alpha-Chlorodane	Each analyte at 1000µg/ml	508	1ml
	gamma-Chlorodane	in high-purity Methy-tert		
	Chlorbenzilate	Butyl Ether		
	Chlorneb			
	Chlorothalonil			
	DCPA			
	Etridiazole			
	Hexachlorobenzene			
	cis-Permethrin			
	trans-Permethrin			
	Propachlor			
	Trifluralin			

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPET006 (20 Compound Mix Pesticides)	Alachlor	Each analyte at 1000µg/ml	508.1	1ml
	Aldrin	in high-purity Ethyl Acetate		
	Butachlor			
	Lindane (HCH-gamma)			
	HCH-alpha			
	HCH-beta			
	HCH-delta			
	4,4'-DDD			
	4,4'-DDE			
	4,4'-DDT			
	Dieldrin			
	Endosulfan I (alpha)			
	Endosulfan II (beta)			
	Endosulfan sulfate			
	Endrin			
	Endrin aldehyde			
	Endrin ketone			
	Heptachlor			
	Heptachlor Epoxide			
	Methoxychlor			

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPET007 (16 Compound Mix Pesticides)	alpha-Chlorodane	Each analyte at 500µg/ml	508.1	1ml
	gamma-Chlorodane	in high-purity Ethyl Acetate		
	Chlorbenzilate			
	Chlorneb			
	Chlorothalonil			
	Cyanazine			
	DCPA			
	Etridiazole			
	Hexachlorobenzene			
	Hexachlorocyclopentadiene			
	Metolachlor			
	Metribuzin			
	cis-Permethrin			
	trans-Permethrin			
	Propachlor			
	Trifluralin			

Product No.	Description in Benzene	Concentration	US EPA Methods	Packed in Ampoule
REPET008 (16 Compound Mix Pesticides)	Aldrin	100µg/ml	608	1ml
	Lindane (HCH-gamma)	100µg/ml	625	
	HCH-alpha	100µg/ml		
	HCH-beta	100µg/ml		
	HCH-delta	100µg/ml		
	4,4'-DDD	600µg/ml		
	4,4'-DDE	200µg/ml		
	4,4'-DDT	600µg/ml		
	Dieldrin	200µg/ml		
	Endosulfan I (alpha)	200µg/ml		
	Endosulfan II (beta)	200µg/ml		
	Endosulfan sulfate	600µg/ml		
	Endrin	200µg/ml		
	Endrin aldehyde	600µg/ml		
	Heptachlor	100µg/ml		
	Heptachlor Epoxide	100µg/ml		

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPET009 (18 Compound Mix Pesticides)	Aldrin	Each analyte at 2000µg/ml in high-purity Benzene	608	1ml
	Lindane (HCH-gamma)		617	
	HCH-alpha		8080A	
	HCH-beta		8081A	
	HCH-delta			
	4,4'-DDD			
	4,4'-DDE			
	4,4'-DDT			
	Dieldrin			
	Endosulfan I (alpha)			
	Endosulfan II (beta)			
	Endosulfan sulfate			
	Endrin			
	Endrin aldehyde			
	Endrin ketone			
	Heptachlor			
	Heptachlor Epoxide			
	Methoxychlor			

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPET010 (18 Compound Mix Pesticides)	Aldrin	Each analyte at 1000µg/ml in high-purity Toluene:Hexane 1:1	617	1ml
	Lindane (HCH-gamma)			
	HCH-alpha			
	HCH-beta			
	HCH-delta			
	4,4'-DDD			
	4,4'-DDE			
	4,4'-DDT			
	Dieldrin			
	Endosulfan I (alpha)			
	Endosulfan II (beta)			
	Endosulfan sulfate			
	Endrin			
	Endrin ketone			
	Endrin aldehyde			
	Heptachlor			
	Heptachlor Epoxide			
	Methoxychlor			

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPETO11 (3 Compound Mix Pesticides)	Isopropalin	Each analyte at 1000µg/ml	627	1ml
	Profuralin	in high-purity Hexane		
	Trifluralin			

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPETO12 (14 Compound Mix Pesticides)	Aldrin	Each analyte at 100µg/ml	Not applicable	1ml
	Dieldrin	in high-purity Acetone		
	Endrin			
	HCH-alpha			
	HCH-beta			
	HCH-delta			
	Lindane (HCH-gamma)			
	4,4'-DDT			
	2,4'-DDT			
	Heptachlor			
	Heptachlor Epoxide			
	alpha-Chlorodane			
	gamma-Chlorodane			
	Hexachlorobenzene			

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPETO13 (2 Compound Mix Pesticides)	Napropamid	Each analyte at 1000µg/ml	632.1	1ml
	Propanil	in 9:1 Acetonitrile:Acetone		

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPETO14 (7 Compound Mix Pesticides)	Bromacil	Each analyte at 1000µg/ml	633	1ml
	DEET	in high-purity Acetone		
	Hexazinone			
	Metribuzin			
	Terbacil			
	Triadimefon			
	Tricyclazone			

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPET015 (5 Compound) Mix Pesticides)	Fenarimol	Each analyte at 1000µg/ml	633.1	1ml
	MGK 624-A	in high-purity Methanol		
	MGK 624-B			
	MGK 326			
	Pronamide			

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPET016 (6 Compound) Mix Pesticides)	Butylate	Each analyte at 1000µg/ml	634	1ml
	Cycloate	in high-purity Methanol		
	EPTC			
	Molinate			
	Pebulate			
	Vernolate			

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPET018 (8 Compound) Mix Pesticides)	Alachlor	Each analyte at 100µg/ml	Not applicable	1ml
	Chlorpyrifos	in high-purity Cyclohexane		
	Chlorfenvinphos			
	Trifluralin			
	Atrazine			
	Symazine			

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPET024 (18 Compound Mix Pesticides)	Atrazine	Each analyte at 100µg/ml in high-purity Methanol	Not applicable	1ml
	Simazine			
	Desisopropyl atrazine			
	Desethyl atrazine			
	Desethyl terbutylazine			
	Propazine			
	Metribuzin			
	Terbutylazine			
	Prometryn			
	Terbutryn			
	Pendimethalin			
	Trifluralin			
	Propachlor			
	Acetochlor			
	Alachlor			
	Metolachlor			
	Chlorpyrifos			
Chlorfenvinphos				

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPET025 (22 Compound Mix Pesticides)	Atrazine	Each analyte at 10µg/ml in high-purity Acetonitrile	Not applicable	1ml
	Atrazine-desethyl			
	Atrazine-desisopropyl			
	Carbofuran			
	Chloridazon			
	Cyanazine			
	Dimethoate			
	Diuron			
	Hexazinone			
	Isoproturon			
	Linuron			
	Metamitron			
	Methabenzthiazuron			
	Metribuzin			
	Pirimicarb			
	Prochloraz			
	Propiconazole			
	Propyzamide			
	Simazine			
	Terbutylazine			
	Terbutylazine-desethyl			
	Triadimenol			

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPET026 (4 Compound Mix Pesticides)	Aldrin	Each analyte at 100µg/ml	617	1ml
	Dieldrin	in high-purity Methanol	505	
	Endrin			
	Heptachlor			

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
REPET027 (7 Compound Mix Pesticides)	Cypermethrin	Each analyte at 100µg/ml	Not applicable	1ml
	Deltamethrin	in high-purity n-Hexane		
	Fenvalerate			
	Fenpropathrin			
	Lambda-cyhalothrin			
	Cyfluthrin			
	Bifenthrin			

Toxaphene/Chlordane High & Low Concentration Standards

Product No.	Description	Concentration	US EPA Methods	Packed in Ampoule
RECLC001	Technical Chlordane	200ug/ml in high purity Hexane	625, 8270C	1ml
RECLC001-H	Technical Chlordane	1000ug/ml in high purity Hexane	625, 8270C	1ml
RETOX001	Toxaphene	200ug/ml in high purity Hexane	625, 8270C	1ml
RETOX001-H	Toxaphene	1,000ug/ml in high purity Hexane	625, 8270C	1ml

Pesticide Single Component Standards

Product No.	Description	Concentration µg/ml	Packed in Ampoule
REPET101	4,4'-DDD	1000ug/ml in Purge & Trap Methanol	1ml
REPET101N	4,4'-DDD	Neat	10mg
REPET102	4,4'-DDE	1000ug/ml in Purge & Trap Methanol	1ml
REPET102N	4,4'-DDE	Neat	10mg
REPET103	4,4'-DDT	1000ug/ml in Purge & Trap Methanol	1ml
REPET103N	4,4'-DDT	Neat	10mg
REPET104	Alachlor	1000ug/ml in Purge & Trap Methanol	1ml
REPET104N	Alachlor	Neat	10mg
REPET105	Aldrin	1000ug/ml in Purge & Trap Methanol	1ml
REPET105N	Aldrin	Neat	10mg
REPET106	alpha-Chlorodane	1000ug/ml in Purge & Trap Methanol	1ml
REPET106N	alpha-Chlorodane	Neat	10mg
REPET107	Ametryn	1000ug/ml in Purge & Trap Methanol	1ml
REPET107N	Ametryn	Neat	10mg
REPET108	Atraton	1000ug/ml in Purge & Trap Methanol	1ml
REPET108N	Atraton	Neat	10mg
REPET109	Atrazine	1000ug/ml in Acetone	1ml
REPET109N	Atrazine	Neat	10mg
REPET110	Bromacil	1000ug/ml in Purge & Trap Methanol	1ml
REPET110N	Bromacil	Neat	10mg
REPET111	Butachlor	1000ug/ml in Purge & Trap Methanol	1ml
REPET111N	Butachlor	Neat	10mg
REPET112	Carboxin	1000ug/ml in Acetone	1ml
REPET112N	Carboxin	Neat	10mg
REPET113	Chlordane	1000ug/ml in Hexane	1ml
REPET113N	Chlordane	Neat	10mg
REPET114	Chlorobenzilate	1000ug/ml in Purge & Trap Methanol	1ml
REPET114N	Chlorobenzilate	Neat	10mg
REPET115	Chloroneb	1000ug/ml in Purge & Trap Methanol	1ml
REPET115N	Chloroneb	Neat	10mg
REPET116	Chlorothalonil	1000ug/ml in Purge & Trap Methanol	1ml
REPET116N	Chlorothalonil	Neat	10mg
REPET117	Chlorpropham	1000ug/ml in Purge & Trap Methanol	1ml
REPET117N	Chlorpropham	Neat	10mg
REPET118	cis-Nonachlor	1000ug/ml in Purge & Trap Methanol	1ml
REPET118N	cis-Nonachlor	Neat	10mg
REPET119	cis-Permethrin	1000ug/ml in Purge & Trap Methanol	1ml
REPET119N	cis-Permethrin	Neat	10mg
REPET120	Cyanazine	1000ug/ml in Purge & Trap Methanol	1ml

Product No.	Description	Concentration µg/ml	Packed in Ampoule
REPET120N	Cyanazine	Neat	10mg
REPET121	DCPA (Propanil)	1000ug/ml in Purge & Trap Methanol	1ml
REPET121N	DCPA (Propanil)	Neat	10mg
REPET122	Diazinon	1000ug/ml in Acetone	1ml
REPET122N	Diazinon	Neat	10mg
REPET123	Dichlorvos	1000ug/ml in Purge & Trap Methanol	1ml
REPET123N	Dichlorvos	Neat	10mg
REPET124	Dieldrin	1000ug/ml in Purge & Trap Methanol	1ml
REPET124N	Dieldrin	Neat	10mg
REPET125	Diphenamid	1000ug/ml in Acetone	1ml
REPET125N	Diphenamid	Neat	10mg
REPET126	Disulfoton Sulfone	1000ug/ml in Acetone	1ml
REPET126N	Disulfoton Sulfone	Neat	10mg
REPET127	Disulfoton Sulfoxide	1000ug/ml in Acetone	1ml
REPET127N	Disulfoton Sulfoxide	Neat	10mg
REPET128	Disulfoton	1000ug/ml in Acetone	1ml
REPET128N	Disulfoton	Neat	10mg
REPET129	Endosulfan I	1000ug/ml in Purge & Trap Methanol	1ml
REPET129N	Endosulfan I	Neat	10mg
REPET130	Endosulfan II	1000ug/ml in Purge & Trap Methanol	1ml
REPET130N	Endosulfan II	Neat	10mg
REPET131	Endosulfan Sulfate	1000ug/ml in Purge & Trap Methanol	1ml
REPET131N	Endosulfan Sulfate	Neat	10mg
REPET132	Endrin	1000ug/ml in Purge & Trap Methanol	1ml
REPET132N	Endrin	Neat	10mg
REPET133	Endrin Aldehyde	1000ug/ml in Purge & Trap Methanol	1ml
REPET133N	Endrin Aldehyde	Neat	10mg
REPET134	EPTC	1000ug/ml in Purge & Trap Methanol	1ml
REPET134N	EPTC	Neat	10mg
REPET135	Ethoprop	1000ug/ml in Purge & Trap Methanol	1ml
REPET135N	Ethoprop	Neat	10mg
REPET136	Etridiazole	1000ug/ml in Purge & Trap Methanol	1ml
REPET136N	Etridiazole	Neat	10mg
REPET137	Fenamiphos	1000ug/ml in Acetone	1ml
REPET137N	Fenamiphos	Neat	10mg
REPET138	Fenarimol	1000ug/ml in Purge & Trap Methanol	1ml
REPET138N	Fenarimol	Neat	10mg
REPET139	gamma-Chlorodane	1000ug/ml in Purge & Trap Methanol	1ml
REPET139N	gamma-Chlorodane	Neat	10mg
REPET140	HCH-alpha	1000ug/ml in Purge & Trap Methanol	1ml
REPET140N	HCH-alpha	Neat	10mg
REPET141	HCH-beta	1000ug/ml in Purge & Trap Methanol	1ml

Product No.	Description	Concentration µg/ml	Packed in Ampoule
REPET141N	HCH-beta	Neat	10mg
REPET142	HCH-delta	1000ug/ml in Purge & Trap Methanol	1ml
REPET142N	HCH-delta	Neat	10mg
REPET143	Heptachlor	1000ug/ml in Purge & Trap Methanol	1ml
REPET143N	Heptachlor	Neat	10mg
REPET144	Heptachlor Epoxide	1000ug/ml in Purge & Trap Methanol	1ml
REPET144N	Heptachlor Epoxide	Neat	10mg
REPET145	Hexachlorobenzene	1000ug/ml in Benzene	1ml
REPET145N	Hexachlorobenzene	Neat	10mg
REPET146	Hexachlorocyclopentadiene	1000ug/ml in Purge & Trap Methanol	1ml
REPET146N	Hexachlorocyclopentadiene	Neat	10mg
REPET147	Hexazinone	1000ug/ml in Purge & Trap Methanol	1ml
REPET147N	Hexazinone	Neat	10mg
REPET148	Lindane (HCH-gamma)	1000ug/ml in Purge & Trap Methanol	1ml
REPET148N	Lindane (HCH-gamma)	Neat	10mg
REPET149	Methoxychlor	1000ug/ml in Purge & Trap Methanol	1ml
REPET149N	Methoxychlor	Neat	10mg
REPET150	Methyl Paraoxon	1000ug/ml in Purge & Trap Methanol	1ml
REPET150N	Methyl Paraoxon	Neat	10mg
REPET151	Metolachlor	1000ug/ml in Purge & Trap Methanol	1ml
REPET151N	Metolachlor	Neat	10mg
REPET152	Metribuzin	1000ug/ml in Purge & Trap Methanol	1ml
REPET152N	Metribuzin	Neat	10mg
REPET153	Mevinphos	1000ug/ml in Purge & Trap Methanol	1ml
REPET153N	Mevinphos	Neat	10mg
REPET154	Molinate	1000ug/ml in Purge & Trap Methanol	1ml
REPET154N	Molinate	Neat	10mg
REPET155	Napropamide	1000ug/ml in Purge & Trap Methanol	1ml
REPET155N	Napropamide	Neat	10mg
REPET156	Norflurazon	1000ug/ml in Acetone	1ml
REPET156N	Norflurazon	Neat	10mg
REPET157	Pebulate	1000ug/ml in Purge & Trap Methanol	1ml
REPET157N	Pebulate	Neat	10mg
REPET158	Prometon	1000ug/ml in Acetone	1ml
REPET158N	Prometon	Neat	10mg
REPET159	Prometryn	1000ug/ml in Purge & Trap Methanol	1ml
REPET159N	Prometryn	Neat	10mg
REPET160	Pronamide (Propyzamide)	1000ug/ml in Purge & Trap Methanol	1ml
REPET160N	Pronamide (Propyzamide)	Neat	10mg
REPET161	Propachlor	1000ug/ml in Acetone	1ml
REPET161N	Propachlor	Neat	10mg
REPET162	Propazine	1000ug/ml in Purge & Trap Methanol	1ml

Product No.	Description	Concentration µg/ml	Packed in Ampoule
REPET162N	Propazine	Neat	10mg
REPET163	Simazine	1000ug/ml in Acetone	1ml
REPET163N	Simazine	Neat	10mg
REPET164	Simetryn	1000ug/ml in Purge & Trap Methanol	1ml
REPET164N	Simetryn	Neat	10mg
REPET165	Stirofos (Tetrachlorovinphos)	1000ug/ml in Acetone	1ml
REPET165N	Stirofos (Tetrachlorovinphos)	Neat	10mg
REPET166	Tebuthiuron	1000ug/ml in Acetone	1ml
REPET166N	Tebuthiuron	Neat	10mg
REPET167	Terbacil	1000ug/ml in Purge & Trap Methanol	1ml
REPET167N	Terbacil	Neat	10mg
REPET168	Terbufos	1000ug/ml in Purge & Trap Methanol	1ml
REPET168N	Terbufos	Neat	10mg
REPET169	Terbutryn	1000ug/ml in Purge & Trap Methanol	1ml
REPET169N	Terbutryn	Neat	10mg
REPET170	Toxaphene (Camphechlor)	1000ug/ml in Purge & Trap Methanol	1ml
REPET170N	Toxaphene (Camphechlor)	Neat	10mg
REPET171	trans-Nonachlor	1000ug/ml in Purge & Trap Methanol	1ml
REPET171N	trans-Nonachlor	Neat	10mg
REPET172	trans-Permethrin	1000ug/ml in Purge & Trap Methanol	1ml
REPET172N	trans-Permethrin	Neat	10mg
REPET173	Triademefon	1000ug/ml in Purge & Trap Methanol	1ml
REPET173N	Triademefon	Neat	10mg
REPET174	Tricyclazole	1000ug/ml in Purge & Trap Methanol	1ml
REPET174N	Tricyclazole	Neat	10mg
REPET175	Trifluralin	1000ug/ml in Purge & Trap Methanol	1ml
REPET175N	Trifluralin	Neat	10mg
REPET176	Azinphos-ethyl	1000ug/ml in Acetone	1ml
REPET176N	Azinphos-ethyl	Neat	10mg
REPET177	Azinphos-methyl	1000ug/ml in Acetone	1ml
REPET177N	Azinphos-methyl	Neat	10mg
REPET178	Bromophos Methyl	1000ug/ml in Purge & Trap Methanol	1ml
REPET178N	Bromophos Methyl	Neat	10mg
REPET179	Carbophenothion	1000ug/ml in Purge & Trap Methanol	1ml
REPET179N	Carbophenothion	Neat	10mg
REPET180	Chlorpyrifos	1000ug/ml in Purge & Trap Methanol	1ml
REPET180N	Chlorpyrifos	Neat	10mg
REPET181	Chlorpyrifos-methyl	1000ug/ml in Purge & Trap Methanol	1ml
REPET181N	Chlorpyrifos-methyl	Neat	10mg
REPET182	Dimethoate	1000ug/ml in Purge & Trap Methanol	1ml
REPET182N	Dimethoate	Neat	10mg
REPET183	Ethion	1000ug/ml in Purge & Trap Methanol	1ml

Product No.	Description	Concentration µg/ml	Packed in Ampoule
REPET183N	Ethion	Neat	10mg
REPET184	Fonophos	1000ug/ml in Purge & Trap Methanol	1ml
REPET184N	Fonophos	Neat	10mg
REPET185	Malathion	1000ug/ml in Purge & Trap Methanol	1ml
REPET185N	Malathion	Neat	10mg
REPET186	Methidathion	1000ug/ml in Purge & Trap Methanol	1ml
REPET186N	Methidathion	Neat	10mg
REPET187	Parathion	1000ug/ml in Purge & Trap Methanol	1ml
REPET187N	Parathion	Neat	10mg
REPET188	Parathion-ethyl	1000ug/ml in Purge & Trap Methanol	1ml
REPET188N	Parathion-ethyl	Neat	10mg
REPET189	Pyrimiphos-ethyl	1000ug/ml in Purge & Trap Methanol	1ml
REPET189N	Pyrimiphos-ethyl	Neat	10mg
REPET190	Pyrimiphos-methyl	1000ug/ml in Purge & Trap Methanol	1ml
REPET190N	Pyrimiphos-methyl	Neat	10mg
REPET191	2,2-DDE	1000ug/ml in Purge & Trap Methanol	1ml
REPET191N	2,2-DDE	Neat	10mg
REPET192	2,4-DDE	1000ug/ml in Purge & Trap Methanol	1ml
REPET192N	2,4-DDE	Neat	10mg
REPET193	2,4-DDT	1000ug/ml in Purge & Trap Methanol	1ml
REPET193N	2,4-DDT	Neat	10mg
REPET194	2,4-DDD	1000ug/ml in Purge & Trap Methanol	1ml
REPET194N	2,4-DDD	Neat	10mg
REPET300	1,2-Diphenylhydrazine	1000µg/ml in Purge & Trap Methanol	1ml
REPET300N	1,2-Diphenylhydrazine	Neat	10mg
REPET301	1,2-Diphenylhydrazine	2000µg/ml in Purge & Trap Methanol	1ml
REPET302	1,4-Phenylenediamine	1000µg/ml in Purge & Trap Methanol	1ml
REPET302N	1,4-Phenylenediamine	Neat	10mg
REPET303	1,4-Phenylenediamine	2000µg/ml in Purge & Trap Methanol	1ml
REPET304	5,5-Diphenylhydantoin	1000µg/ml in Purge & Trap Methanol	1ml
REPET304N	5,5-Diphenylhydantoin	Neat	10mg
REPET305	5,5-Diphenylhydantoin	2000µg/ml in Purge & Trap Methanol	1ml
REPET306	Barban	1000µg/ml in Purge & Trap Methanol	1ml
REPET306N	Barban	Neat	10mg
REPET307	Barban	2000µg/ml in Purge & Trap Methanol	1ml
REPET308	Bromoxynil	1000µg/ml in Purge & Trap Methanol	1ml
REPET308N	Bromoxynil	Neat	10mg
REPET309	Bromoxynil	2000µg/ml in Purge & Trap Methanol	1ml
REPET310	Captafol	1000µg/ml in Acetone	1ml
REPET310N	Captafol	Neat	10mg
REPET311	Captafol	2000µg/ml in Acetone	1ml
REPET312	Captan	1000µg/ml in Acetone	1ml

Product No.	Description	Concentration µg/ml	Packed in Ampoule
REPET312N	Captan	Neat	10mg
REPET313	Captan	2000µg/ml in Acetone	1ml
REPET314	Carbaryl	1000µg/ml in Acetonitrile	1ml
REPET314N	Carbaryl	Neat	10mg
REPET315	Carbaryl	2000µg/ml in Acetonitrile	1ml
REPET316	Carbofuran	1000µg/ml in Purge & Trap Methanol	1ml
REPET316N	Carbofuran	Neat	10mg
REPET321	Chlordane (NOS)	2000µg/ml in Hexane	1ml
REPET321N	Chlordane (NOS)	Neat	10mg
REPET322	Chlorfenvinphos	1000µg/ml in Acetone	1ml
REPET322N	Chlorfenvinphos	Neat	10mg
REPET323	Chlorfenvinphos	2000µg/ml in Acetone	1ml
REPET324	Coumaphos	1000µg/ml in Acetone	1ml
REPET324N	Coumaphos	Neat	10mg
REPET325	Coumaphos	2000µg/ml in Acetone	1ml
REPET326	Crotoxyphos	1000µg/ml in Purge & Trap Methanol	1ml
REPET326N	Crotoxyphos	Neat	10mg
REPET327	Crotoxyphos	2000µg/ml in Purge & Trap Methanol	1ml
REPET328	Demeton O	1000µg/ml in Acetonitrile	1ml
REPET328N	Demeton O	Neat	10mg
REPET329	Demeton O	1000µg/ml in Purge & Trap Methanol	1ml
REPET330	Demeton O	2000µg/ml in Acetonitrile	1ml
REPET331	Demeton O	2000µg/ml in Purge & Trap Methanol	1ml
REPET332	Demeton-S	1000µg/ml in Acetone	1ml
REPET332N	Demeton-S	Neat	10mg
REPET333	Demeton-S	2000µg/ml in Acetone	1ml
REPET334	Diallate (cis or trans)	1000µg/ml in Acetone	1ml
REPET334N	Diallate (cis or trans)	Neat	10mg
REPET335	Diallate (cis or trans)	2000µg/ml in Acetone	1ml
REPET336	Dichlone	1000µg/ml in Purge & Trap Methanol	1ml
REPET336N	Dichlone	Neat	10mg
REPET337	Dichlone	2000µg/ml in Purge & Trap Methanol	1ml
REPET338	Dicrotophos	1000µg/ml in Purge & Trap Methanol	1ml
REPET338N	Dicrotophos	Neat	10mg
REPET339	Dicrotophos	2000µg/ml in Purge & Trap Methanol	1ml
REPET340	Dinocap	1000µg/ml in Purge & Trap Methanol	1ml
REPET340N	Dinocap	Neat	10mg
REPET341	Dinocap	2000µg/ml in Purge & Trap Methanol	1ml
REPET342	Dioxathion	1000µg/ml in Purge & Trap Methanol	1ml
REPET342N	Dioxathion	Neat	10mg
REPET343	Dioxathion	2000µg/ml in Purge & Trap Methanol	1ml
REPET344	Diphenylamine	1000µg/ml in Purge & Trap Methanol	1ml

Product No.	Description	Concentration µg/ml	Packed in Ampoule
REPET344N	Diphenylamine	Neat	10mg
REPET345	Diphenylamine	2000µg/ml in Purge & Trap Methanol	1ml
REPET346	EPN	1000µg/ml in Acetone	1ml
REPET346N	EPN	Neat	10mg
REPET347	EPN	1000µg/ml in Purge & Trap Methanol	1ml
REPET348	EPN	2000µg/ml in Acetone	1ml
REPET349	EPN	2000µg/ml in Purge & Trap Methanol	1ml
REPET350	Ethyl carbamate (urethane)	1000µg/ml in Purge & Trap Methanol	1ml
REPET350N	Ethyl carbamate (urethane)	Neat	10mg
REPET351	Ethyl carbamate (urethane)	2000µg/ml in Purge & Trap Methanol	1ml
REPET352	Ethyl methanesulfonate	1000µg/ml in Purge & Trap Methanol	1ml
REPET352N	Ethyl methanesulfonate	Neat	10mg
REPET353	Ethyl methanesulfonate	2000µg/ml in Purge & Trap Methanol	1ml
REPET354	Famphur	1000µg/ml in Purge & Trap Methanol	1ml
REPET354N	Famphur	Neat	10mg
REPET355	Famphur	2000µg/ml in Purge & Trap Methanol	1ml
REPET356	Fensulfothion	1000µg/ml in Acetone	1ml
REPET356N	Fensulfothion	Neat	10mg
REPET357	Fensulfothion	2000µg/ml in Acetone	1ml
REPET358	Fenthion	1000µg/ml in Acetone	1ml
REPET358N	Fenthion	Neat	10mg
REPET359	Fenthion	2000µg/ml in Acetone	1ml
REPET360	Fluchloralin	1000µg/ml in Purge & Trap Methanol	1ml
REPET360N	Fluchloralin	Neat	10mg
REPET361	Fluchloralin	2000µg/ml in Purge & Trap Methanol	1ml
REPET362	Isodrin	1000µg/ml in Purge & Trap Methanol	1ml
REPET362N	Isodrin	Neat	10mg
REPET363	Isodrin	2000µg/ml in Purge & Trap Methanol	1ml
REPET364	Isophorone	1000µg/ml in Purge & Trap Methanol	1ml
REPET364N	Isophorone	Neat	10mg
REPET365	Isophorone	2000µg/ml in Purge & Trap Methanol	1ml
REPET366	Isosafrole	1000µg/ml in Purge & Trap Methanol	1ml
REPET366N	Isosafrole	Neat	10mg
REPET367	Isosafrole	2000µg/ml in Purge & Trap Methanol	1ml
REPET368	Kepone	1000µg/ml in Purge & Trap Methanol	1ml
REPET368N	Kepone	Neat	10mg
REPET369	Kepone	2000µg/ml in Purge & Trap Methanol	1ml
REPET370	Leptophos	1000µg/ml in Purge & Trap Methanol	1ml
REPET370N	Leptophos	Neat	10mg
REPET371	Leptophos	2000µg/ml in Purge & Trap Methanol	1ml
REPET372	Malathion	1000µg/ml in Purge & Trap Methanol	1ml
REPET373	Malathion	2000µg/ml in Purge & Trap Methanol	1ml

Product No.	Description	Concentration µg/ml	Packed in Ampoule
REPET374	Methyl methanesulfonate	1000µg/ml in Purge & Trap Methanol	1ml
REPET374N	Methyl methanesulfonate	Neat	10mg
REPET375	Methyl methanesulfonate	2000µg/ml in Purge & Trap Methanol	1ml
REPET376	Mexacarbate	1000µg/ml in Purge & Trap Methanol	1ml
REPET376N	Mexacarbate	Neat	10mg
REPET377	Mexacarbate	2000µg/ml in Purge & Trap Methanol	1ml
REPET378	Mirex	1000µg/ml in Hexane:Toluene	1ml
REPET378N	Mirex	Neat	10mg
REPET379	Mirex	2000µg/ml in Hexane:Toluene	1ml
REPET380	Monocrotophos	1000µg/ml in Acetonitrile	1ml
REPET380N	Monocrotophos	Neat	10mg
REPET381	Monocrotophos	2000µg/ml in Acetonitrile	1ml
REPET382	Naled	1000µg/ml in Methylene Chloride	1ml
REPET382N	Naled	Neat	10mg
REPET383	Naled	2000µg/ml in Methylene Chloride	1ml
REPET384	Nitrofen	1000µg/ml in Purge & Trap Methanol	1ml
REPET384N	Nitrofen	Neat	10mg
REPET385	Nitrofen	2000µg/ml in Purge & Trap Methanol	1ml
REPET386	O,O,O-Triethyl phosphorothioate	1000µg/ml in Purge & Trap Methanol	1ml
REPET386N	O,O,O-Triethyl phosphorothioate	Neat	10mg
REPET387	O,O,O-Triethyl phosphorothioate	2000µg/ml in Purge & Trap Methanol	1ml
REPET388	Octamethyl pyrophosphoramidate	1000µg/ml in Acetone	1ml
REPET388N	Octamethyl pyrophosphoramidate	Neat	10mg
REPET389	Octamethyl pyrophosphoramidate	2000µg/ml in Acetone	1ml
REPET390	Parathion	1000µg/ml in Purge & Trap Methanol	1ml
REPET391	Parathion	2000µg/ml in Purge & Trap Methanol	1ml
REPET392	Pentachlorobenzene	1000µg/ml in Purge & Trap Methanol	1ml
REPET392N	Pentachlorobenzene	Neat	10mg
REPET393	Pentachlorobenzene	2000µg/ml in Purge & Trap Methanol	1ml
REPET394	Pentachloronitrobenzene	1000µg/ml in Purge & Trap Methanol	1ml
REPET394N	Pentachloronitrobenzene	Neat	10mg
REPET395	Pentachloronitrobenzene	2000µg/ml in Purge & Trap Methanol	1ml
REPET396	Phorate	1000µg/ml in Purge & Trap Methanol	1ml
REPET396N	Phorate	Neat	10mg
REPET397	Phorate	2000µg/ml in Purge & Trap Methanol	1ml
REPET398	Phosalone	1000µg/ml in Purge & Trap Methanol	1ml
REPET398N	Phosalone	Neat	10mg
REPET399	Phosalone	2000µg/ml in Purge & Trap Methanol	1ml
REPET400	Phosphamidon	1000µg/ml in Purge & Trap Methanol	1ml
REPET400N	Phosphamidon	Neat	10mg
REPET401	Phosphamidon	2000µg/ml in Purge & Trap Methanol	1ml
REPET402	Strychnine	1000µg/ml in Purge & Trap Methanol	1ml

Product No.	Description	Concentration µg/ml	Packed in Ampoule
REPET402N	Strychnine	Neat	10mg
REPET403	Strychnine	2000µg/ml in Purge & Trap Methanol	1ml
REPET404	Thionazine	1000µg/ml in Acetone	1ml
REPET404N	Thionazine	Neat	10mg
REPET405	Thionazine	1000µg/ml in Purge & Trap Methanol	1ml
REPET406	Thionazine	2000µg/ml in Acetone	1ml
REPET407	Thionazine	2000µg/ml in Purge & Trap Methanol	1ml

Shannon Free Zone, Shannon, Co. Clare, Ireland
Tel: +353 61 472622 Fax: +353 61 472642
Email: sales@reagecon.ie
www.reagecon.com

CERTIFICATE OF GRAVIMETRIC PREPARATION

PRODUCT: METOLACHLOR, 1000µg/ml in METHANOL
PRODUCT No.: REPET151
MATRIX: Methanol
LOT No.: PET15116A1
DATE OF PREPARATION: 25th January 2016
EXPIRY DATE: 28th January 2019
PREPARATION OF STANDARD:

All standard components have been pre-qualified verified before use. All preparation has been performed in a cleanroom environment under strictly monitored and uncontrolled conditions. All analytical measuring devices and instrumentation have been pre-calibrated. The actual concentrations reported below are based on this preparation methodology and compound purities.

Compound	Purity %	Labelled µg/ml	Actual µg/ml
Metolachlor	97.6	1000	1000 ± 2.5 %

The product is available in 25 and 100 mg vials. For further information please contact us at T: +353 61 472622 or E: info@reagecon.com. (Certificate of Analysis) (Manufacturing) (2.2%)

Page 1 of 2

TRACEABILITY IN THE PRODUCTION OF THIS STANDARD

This product was prepared gravimetrically on a weight/volume basis. The solute was weighed on a balance calibrated by Reagecon engineers using OIML traceable weights. Reagecon holds ISO 17025 accreditation for calibration of non-automatic weighing machines (20°C). The resulting Balance Certificate of Calibration was issued in accordance with the requirements of ISO/IEC 17025. The balance was calibrated under monitored environmental conditions and atmospheric pressure. Tests were performed for capacity, readability, repeatability, eccentricity and linearity. Dilution of the final product in volume was performed using internally calibrated Class A volumetric glassware.

BALANCE ID No.: RR0286 **CALIBRATION DATE OF BALANCE:** 25th January 2016
CALIBRATION AUTHORITY OF BALANCE: Reagecon Diagnostics Ltd, ISO17025 Accreditation No. 265C
WEIGHTS No.: RT568 **CALIBRATION DATE OF WEIGHTS:** 0th April 2015
CALIBRATION AUTHORITY OF WEIGHTS: Complete Calibration (NAB No. 282)

STORAGE/USAGE INSTRUCTIONS:
Please store this product in a freezer (-20°C). To open product, invert at least 10 times (do not shake) and remove if solid material is apparent. Break the ampoule open at the lower neck mark (cutting sharp glass) and insert in vial. Allow to return to room temperature before use. Store after opening in a freezer, invert, sonicate and allow vial to return to room temperature before each subsequent use. Use only Class A volumetric glassware for dilutions and ensuring thorough mixing.

Date: 26th January 2016

This certificate must not be reproduced except in full

Page 2 of 2