



# DelAgua

Safe Water

## Reagent Identification Chart for Lovibond Tintometer photometers

**For Use: Identify the parameter required, ensure the parameter matches your photometer, codes required for the test are listed on the right**

Parameter	Units (see code below)	Range	Reagents	Notes	TabletsCode pk100	Tablets Code pk250	Powders pk100	Reagent set	Liquids / Tubes/ Other
Alkalinity M	A	5-200mg/l	Alka M Photometer Tablets		513210BT	513211BT			
Alkalinity M HR	B	5-500mg/l	Alka M HR Photometer Tablets		513240BT	513241BT			
Alkalinity P	B	5-300mg/l	Alka P Photometer		513210BT	513211BT			
Aluminium	C	0.01-0.3	Aluminium No1 Tablets Aluminium No2 Tablets		515460BT 515470BT	515461BT 515471BT			
Aluminium	C	0.01-0.25	Aluminium ECR/F20 Powder Aluminium Hexamine/F20 Aluminium ECT Masking Reagent					535000	
Ammonia	C	0.02-1mg/l	Ammonia No1 Tablets Ammonia No2 Tablets		512580BT 512590BT	512581BT 512591BT			
Ammonia (Powder)	C	0.1-0.8mg/l	Ammonia Salicylate F10 Ammonia Cyanurate F10					535500	
Ammonia (Powder)	B	0.02-2.5mg/l	Ammonia Salicylate F5 Ammonia Cyanurate F5 Am Diluent Reagent LR Deionised Water (for zero)					535600	
Ammonia (Powder)	B	1-50mg/l	Ammonia Salicylate F5 Ammonia Cyanurate F5 Am Diluent Reagent HR Deionised Water (for zero)					535650	
Boron	B	0.1-2.0mg/l	Boron No1 Tablets Boron No2 Tablets		515790 515800	515791 515801			
Bromine	A	0.05-13mg/l	DPD No1 Tablets DPD No3 Tablets DPD Nitrite Tablets	Need if chlorine present	511050BT 511080BT	511051BT 511081BT 502961			
Bromine	A	0.05-13mg/l	DPD No1 High Calcium Tablets DPD No3 High Calcium Tablets DPD Nitrite Tablets	If High Calcium levels Need if chlorine present	515740BT 515730BT	515741BT 515731BT 502961			
Cadmium	D	0.025-0.75mg/l	Cadmium Reagent Set pk25	SpectroDirect only					420750
Chloride	C	0.5-25mg/l	Chloride T1 Tablets Chloride T2 Tablets		515910BT 515920BT	515911BT 515921BT			
Chloride (Liquid Reagents)	E	0.5-20mg/l	KS251 (Chloride Reagent A) 65ml KS253 (Chloride Reagent B) 65ml	MD600 only Contains 1 of each reagent				56R018490	56L025165 56L025365
Chlorine	A	0.01-6.0mg/l	DPD No1 Tablets DPD No3 Tablets		511050BT 511080BT	511051BT 511081BT			
Chlorine	A	0.01-6.0mg/l	DPD No1 High Calcium Tablets DPD No3 High Calcium Tablets	If High Calcium levels	515740BT 515730BT	515741BT 515731BT			
Chlorine	A	0.1-10mg/l	DPD No1 HR Tablets DPD No3 HR Tablets		511500BT 511590BT	511501BT 511591BT			
Chlorine (Liquid Reagents)	A	0.02-4mg/l	DPD 1 Buffer Solution 15ml DPD 1 Reagent Solution 15ml DPD 3 Solution 15ml	Needed for free chlorine Needed for free chlorine Needed for total chlorine Contains 1 of each reagent				471056	471010 471020 471030
Chlorine (Powder reagents)	A	0.02-2/0.1-8mg/l	Chlorine Free DPD /F10 Chlorine Total DPD /F10				530100 530120		
Chlorine HR	A	5-200mg/l	Acidifying GP Tablets Chlorine HR (KI) Tablets	Both tablets needed	515480BT 513000BT	515481BT 513001BT			
Chlorine Dioxide	A	0.02-11mg/l	DPD No1 Tablets DPD No3 Tablets		511050BT 511080BT	511051BT 511081BT			

			DPD Glycine	Needed if chlorine present	512170		
Chlorine Dioxide (Powder)	F	0.02-3.8mg/l	Chlorine Free DPD /F10	MD100 only		530100	
Chromium	G	0-0.5/0.02-2mg/l	Persulf Reagent for CR Chromium Hexavalent reagent	MD600 / SpectroDirect only		537300 537310	
COD COD COD	A	0-150mg/l 0-1500mg/l 0-15000mg/l	COD Vial 0-150 COD Vial 0-1500 COD Vial 0-15000	Heating block also needed			2420720 2420721 2420722
COD Mercury Free COD Mercury Free COD Mercury Free	A	0-150mg/l 0-1500mg/l 0-15000mg/l	COD Vial 0-150 COD Vial 0-1500 COD Vial 0-15000	Heating block also needed			2420710 2420711 2420712
Copper	A	0.05-5mg/l	Copper No1 Tablets Copper No2 Tablets	For free copper only Needed for total copper	513550BT 513560BT	513551BT 513561BT	
Copper (Liquid Reagents)	F	0.05-4mg/l	KS240 Copper Reagent 1 30ml KS241 Copper Reagent 2 30ml KS242 Copper Reagent 3 10g Copper No2 Tablets	MD600 only all four reagents needed  Contains one of each			56L024030 56L024130 56L024210 513560BT  56R023355
Copper (Powder)	A	0.05-5mg/l	Cu F10 Powder Sachet			530300	
Cyanide	B	0.01-0.5mg/l	Cyanide Reagent Set 200 tests				2418875
DEHA	B	20-500ug/l	DEHA Solution 100ml DEHA Tablets	Both needed	513220BT		461181
DEHA (Powder)	B	20-500ug/l	Oxyscav1 Reagent pk200 Oxyscav2 Reagent 100ml	Both needed  Contains one of each			536000
Flouride	A	0.05-2mg/l	SPADNS Reagent 250ml Standard Solution30ml	Both needed			56L082595 205630
Formaldehyde	D	0.05-2mg/l	Spectroquant Reagent 50-75 tests	SpectroDirect only			420751
Formaldehyde	D	0.1-5mg/l	Spectroquant Reagent 25 test	SpectroDirect only			420752
Hardness Calcium	H	50-900mg/l	Calcheck Tablet	MD600 / Multidirect only	515650BT	515651BT	
Hardness Calcium	I	0-500mg/l	Calcio No1 & No2 Tablets		517761BT	517762BT	
Hardness Total	C	2-50/20-500mg/l	Hardcheck Tablets		515660BT	515661BT	
Hazen	C	0-500	No reagents needed				
Hydrazine (Powder)	B	0.05-0.5	Hydrazine Test Powder 30g				462910
Hydrogen Peroxide	B	0.03-3mg/l	Hydrogen Peroxide Tablets		512380BT	512381BT	
Iodine	B	0.05-3.6mg/l	DPD No1 Tablets		511050BT	511051BT	
Iron	A	0.02-1mg/l	Iron LR Tablets Iron II LR Tablets	For Fe2+ and Fe3+ For Fe2+ only	515370BT 515420BT	515371BT 515421BT	
Iron (Powder)	C	0.02-3mg/l	Ferro10 Powder Sachet			530580	
Iron (Powder)	C	0.02-1.8mg/l	Iron TPTZ Powder Sachet			530550	
Iron LR (Liquid)	E	0.03-2.0mg/l	KS61 Iron Reagent 65ml KS63 Iron Reagent 65ml KS274 Iron Reagent pk50 KS135 Iron Reagent 65ml KS144 Iron Reagent 65ml;	MD600 only    Contains one of each			56L006165 56L006365 56T027450 56L013565 56L014465  56R018990
Iron LR2 (Liquid)	E	0.03-2mg/l	KS60 Fe1 65ml KS63 Fe6 65ml KS65 Fe7 65ml	Contains one of each			56L006065 56L006365 56L06565  56R023490
Iron HR (liquid)	E	0.1-10mg/l	KS160 Fe8 65ml KS63 Fe6 65ml	Contains one of each			56L016065 56L006365  56R023590
Manganese	C	0.2-4mg/l	Manganese LR 1 Tablets Manganese LR2 Tablets		516080BT 516090BT	516081BT 516091BT	
Manganese LR (Powder)	C	0.01-0.7	Ascorbic Acid Powder Sachet pk100 Alkaline Cyanide Reagent 60ml PAN Indicator 60ml  Rochelle Salt 30ml	Contais one of each   Needed if hardness above 300mg/l			535090   530640
Manganese HR (Powder)	C	0.1-18mg/l	Mahganese Citrate Buffer pk100 Sodium Periodate pk100	Contains one of each			535100

Manganese (Liquid)	E	0.05-5mg/l	KS265 Manganese Reagent A 30ml KS266 Manganese Reagent B 30ml KS267 Manganese Reagent C 30ml	MD600 only  Contains one of each				56L025630 56L026630 56L030430
								56R024055
Molybdate	C	1-50mg/l	Molybdate No1 HR Molybdate No2 HR		513060BT 513070BT	513061BT 513071BT		
Molybdate LR (Powder)	C	0.5-5mg/l	Vario Molybdenum 1 LR Vario Molybdenum 2 LR	Contains one of each				535450
Molybdate HR (Powder)	C	0-66mg/l	Vario Molybdenum HR1 Vario Molybdenum HR2 Vario Molybdenum HR3	Contains one of each				535300
Molybdate HR (Liquid)	E	1-100mg/l	KS63 (Thioglycolate Reagent) 65ml					56L006365
Monochloramine (Powder)	C	0.4-4.5mg/l	Vario Monochlor pk100				531810	
Nickel (Tube)	D	0.02-1 & 0.2-7mg/l	Nickel-51, Nickel-52					2419033
Nickel	E	0.1-10mg/l	Nickel No1 Nickel No2		515630BT 515640BT			
Nitrate	E	0.08-1mg/l	Nitrate Test Powder 15g Nitrate Test Tablet Nitrite LR Tablet Nitrate Test tube	One of each needed	465230 502810 512310 366220			
Nitrate (Powder / Tube)	B	1-30mg/l	Vario Nitrate Chromotropic pk50 Vario Nitra X Reagent Tube pk50 Deionised Water 100ml	Contains one of each				535580
Nitrate (Tube)	D	0.5-14mg/l	Reaction tube Nitrat-111 pk24					2420702
Nitrite	B	0-0.5mg/l	Nitrite LR Tablet		512310			
Nitrite (Tube)	D	0.03-0.6mg/l	Reaction Tube Nitrit-101 pk24					2419018
Nitrite (Powder)	B	0.01-0.3mg/l	Vario Nitri3				530980	
Nitrogen Total (Tube)	D	0.5-14 & 5-140mg/l	Diestion / Compensation Reagent Nitrat-111 pk24					2420703
Nitrogen Total LR (Powder)	B	0.5-25mg/l	Vario TN Hydrox LR Tubes pk50 Vario Persulphate Reagent pk50 Vario TN Reagent A pk50 Vario TN Reagent B pk50 Vario TN Acid LR/HR Tubes pk50 Deionised Water 100ml	Contains one of each				535550
Nitrogen Total HR (Powder)	B	5-150mg/l	Vario TN Hydrox HR Tubes pk50 Vario Persulphate Reagent pk50 Vario TN Reagent A pk50 Vario TN Reagent B pk50 Vario TN Acid LR/HR Tubes pk50 Deionised Water 100ml	Contains one of each				535560
Oxygen Active	B	0.1-10mg/l	DPD NO4 Tablet		511220BT	511221BT		
Oxygen Dissolved	H	10-800ug/l	DO Vacuvial pk30					380450
Ozone	B	0.2-1mg/l	DPD No1 Tablet DPD No3 Tablet DPD Glycine Tablet		511050BT 511080BT 512170BT	511051BT 511081BT 512171BT		
Phenols	D	0.1-5mg/l	Phenol No1 Tablet Phenol No2 Tablet		515950 515960			
PHMB	B	2-60mg/l	PHMB Photometer Tablet		516100BT	516101BT		
Phosphate total LR tube	D	0-10mg/l	Reaction Tube Phosphat 101,102,103 pk24					2419019
Phosphate total HR tube	D	1.5-60mg/l	Reaction Tube Phosphat 101,102,103 pk24					2420700
Phosphate LR	C	0-4mg/l	Phosphate No1 LR Phosphate No2 LR		513040 513050BT	513041 513051BT		
Phosphate HR	B	1-80mg/l	Phosphate No1 HR Phosphate No2 HR		515810 515820	515811 515821		
Phosphate Powder	C	0.06-2.5mg/l	Vario Phos3 F10				531550	
Phosphate Powder / Tube	B	0.06-5mg/l	Vario Dilution Vial pk50 Vario Phos3 F10 pk50					

			Deionised Water 100ml	Contains one of each		535200	
Phosphate Ortho Tube	D	3-60mg/l	Reaction tube pk24				2420701
Phosphate Acid Hydrolyzable and Total Tube	B	Various	Vario Acid Reagent Vial pk50 Vario Phos3 F10 pk50 Deionised water 100ml 1N NaOH 100ml 1.54N NaOH 100ml Vario Potassium Persulphate pk50	Contains one of each		535250	
Phosphate OrthoTotal Tube	B	0-3.5mg/l	Vario Acid Reagent Vial pk50 Vario Phos3 F10 pk50 Deionised water 100ml 1.54N NaOH 100ml Vario Potassium Persulphate pk50	Contains one of each		535210	
Phosphate Ortho Vacu Vial	H	5-40mg/l	Vacuivial pk30				380460
Phosphate Ortho Vacu Vial	H	0.05-5mg/l	Vacuivial pk30				380480
Phosphate LR Liquid	E	0.1-10mg/l	KS80 (CRP Reagent) 65ml KP19 (ascorbic Acid) 65ml	Contains one of each		56R023765	56L008065 56L011920
Phosphate HR Liquid	E	5-80mg/l	KS228 (ammonia Molybdate) 65ml KS229 (ammonia metavanadate) 65ml KS278 (50% sulphuric acid) 65ml KS135 (phenolphthalein) 65ml KS144 (calcium hardness buffer) 65ml KS274 (ammonia persulphate tablet) pk100	Contains one of each		56R01090	56L022865 56L0022965 56L027865 56L013565 56L014465 56T027450
Phosphonate Powder	B	0-125mg/l	Vario Potassium Persulphate pk100 Vario Phos3 F10 pk100	Contains one of each		535220	
pH	B	5.2-6.8	Bromocresol Purple Tablet		515700BT	515701BT	
pH	A	6.5-8.4	Phenol Red Tablet		511770BT	511771BT	
pH liquid	A	6.5-8.4	Phenol Red Solution 15ml				471040
pH	B	8.0-9.6	Thymoblue Tablets		515710BT	515711BT	
Polyacrylates	E	1-30mg/l	KS255 (Polyacrylate Reagent 1) 65ml KS256 (Polyacrylate Reagent 2) 65ml KS336 (Propan2ol) 65ml C18 (Cartouche) 65ml KS173 (2,4 Dinitrophenol) 65ml KT183 (Nitric Acid) 65ml	Contains one of each		56R019165	56L025565 56L026565 56L033665 AS-K22811-KW 56L017365 56L018365
Potassium	B	0.7-12mg/l	Potassium Tablets		515670	515671	
Silica	C	0.05-4mg/l	Silica No1 Tablets Silica No 2 Tablets		513130 513140	513131 513141	
Silica LR (Powder)	C	0-1.6mg/l	Vario Amina Acid F10 pk100 Vario Citric acid F10 pk200 Vario Molybdate 3 Reagent Solution	Contains one of each		535690	
Silica HR (Powder)	C	1-100mg/l	Vario Silica HR Molybdate F10 pk100 Vario Silica HR Acid Reagent F10 pk100 Vario Silica HR Citric Acid F19 pk100	Contains one of each		535700	
Silica (Liquid)	E	0.1-8mg/l	KS104 Silica 1 Reagent 65ml KS105 Silica 2 Reagent 65ml KS106 Silica 3 Reagent 10g	Contains one of each		56R023856	56L010465 56L010565 56P010610
Sodium Hypochlorite	B	0.2-16%	Acidifying GP Tablet ChlorineHR Tablet	Dilution Set 414470 also needed	515480BT 513000BT	515481BT 513001BT	
Stabliser - See Cyanuric Acid							
Sulphate (Powder)	B	2-100mg/l	Vario Sulpha 4 Powder Sachet			532160	
Sulphate	B	5-100mg/l	Sulphate Tablet		515450BT	515451BT	
Sulphide	B	0.04-0.5mg/l	Sulphide No1 Tablets Sulphide No2 Tablets		502930 502940		
Sulphite	B	0.1-10mg/l	Sulphite LR Tablets		518020BT		

Surfactants	D	0.05-2mg/l	Spectroquant Surfactant Reagent pk25					420755	
Suspended Solids	C	5-750mg/l	No reagents needed						
TOC	D	50-800mg/l	Spectroquant TOC Reagent pk25					420756	
Triazole	E	1-16mg/l	Triazole Reagent				532200		
Turbidity	B	0-1000	No reagents required						
Urea	A	0.1-5mg/l	Urea Reagent 1 15ml Urea Reagent 2 10ml Ammonia No1 Tablets Ammonia No2 Tablets			512580BT 512590BT	512581BT 512591BT	459300 459400	
Zinc	B	0.02-1mg/l	Copper Zinc LR Tablet EDTA Tablet Declor Tablet		Needed in samples with high chlorine.	512620BT 512390BT 512350BT			
Zinc (Liquid)	E	0.1-2.5mg/l	KS243 Zinc Reagent 1 65ml KS244 Zinc Reagent 2 65ml		Contains one of each			56L024365 56L024420 56R023965	
			Range varies with instrument please check unit specifications						
<b>Instrument Codes:</b> A = All units B = MD600 MultiDirect & Spectrodirect C = MD100, MD600, MultiDirect and SpectroDirect D = Spectrodirect E = MD600 F = MD100 G = MD600 & SpectroDirect H = MD600 & MultiDirect I = MD100, MD200, MD600 & MultiDirect									