

# 3 TEST KITS AND CHEMICALS

## Taylor Is Your Best Choice

Taylor Technologies has been developing, manufacturing and selling analytical test kits since 1930. They are very focused on supplying test kits that are absolutely reliable, functional and easy to use. Labelling and MSDS sheets are DOT compliant. In aquatics Taylor is recognized as the leader, Taylor is the kit most often used by pool operators, health department officials and maintenance personnel. With kits available for all the tests typically done at commercial pools Taylor is all you really need!! At Commercial Aquatic Supplies we've carried only Taylor for more than 20 years. We carry a complete stock of Taylor kits and reagents. We also have the expertise to assist with chemistry or testing questions as they arise.



## Taylor Test Kits

Item No	Model	Description	Price
13 01 01	K- 2000	Starter Kit DPD Chlorine, PH, Acid & Base Demand, Water Balance & Treatment Guide	\$83.17
13 01 02	K-2005	As above, plus Total Alkalinity Calcium Hardness, Cyanuric Acid	\$120.46
13 01 03	K-2006	Same as K-2005 except uses drop test for chlorine	\$155.55
13 01 05	K-1264	Midget Iron & Copper	\$201.08



## Professional Single Function Test Kits

Item No	Model	Description	Price
13 01 07	K-1259-1	DPD Chlorine 0 - 3.0 ppm	\$243.06
13 01 08	K-1289	DPD Chlorine 0- 10.0 ppm	\$233.05
13 01 09	K-1153	Iron 0-2.0 ppm	\$256.85
13 01 10	K-1155	Copper 0-3.0 ppm	\$250.48
13 01 11	K-1011J	PH 6.8-8.4	\$257.80
13 01 12	K-1518	CL <sub>2</sub> & Oxybrite/Oxiout	\$160.93
13 01 13	K-1764	Total Dissolved Solids	\$139.86
13 01 14	K-1766	Salt (Chloride) 1 drop=200 ppm	\$86.05
13 01 20	K-1515C	Drop Test Chlorine 1 drop= 0.2 or 0.5 ppm	\$153.47



## Combination Slide Kits

Item No	Model	Description	Price
13 01 16	K-1765	DPD 0-3.0 and PH 6.8-8.4	\$333.37
13 01 17	K-1765H	DPD 0-10 + Ph 6.8 - 8.4	\$347.15
13 01 18	K-1741	Complete Professional Kit with DPD Chlorine 0-3.00 ppm, 1-10 ppm, H 6.8-8.4 ppm, Acid & BaseDemand, Total Alkalinity, Calcium Hardness in Attache Style Carrying Case.	\$701.13
13 01 19	K-1741 C	As above plus copper, iron and total hardness.	\$906.20





## Taylor Test Reagents

Item No	No.	Reagent	Shelf Life in Months	Price	Item No	No.	Reagent	Shelf Life in Months	Price
13 02 01	R-0001-A	DPD#1	6	\$10.53	13 02 38	R-0013-C-12	Cyanuric Acid (12)	12	\$106.00
13 02 02	R-0001-C	DPD#1	6	\$20.62	13 02 39	R-0013-E	Cyanuric Acid	12	\$30.34
13 02 03	R-0001-C-12	DPD#1 (12)	6	\$173.17	13 02 40	R-0013-F	Cyanuric Acid	12	\$43.37
13 02 04	R-0002-A	DPD#2	6	\$10.53	13 02 41	R-0013-G	Cyanuric Acid	12	\$94.37
13 02 05	R-0002-C	DPD#2	6	\$21.19	13 02 42	R-0600-C DB	OTO	12	\$15.01
13 02 06	R-0002-C-12	DPD#2 (12)	6	\$177.99	13 02 43	R-0630-C	Chromate Ind.	6	\$17.68
13 02 07	R-0003-A	DPD#3	6	\$10.49	13 02 44	R-0706-C	Silver Nitrate	6	\$37.85
13 02 08	R-0003-C	DPD#3	6	\$21.92	13 02 45	R-0706-E	Silver Nitrate	6	\$155.96
13 02 09	R-0003-C-12	DPD#3 (12)	6	\$184.15	13 02 46	R-0809-50g	TDS Resin	12	\$49.14
13 02 10	R-0004-A	Phenol Red	12	\$9.07	13 02 47	R-0810-C	Sodium Carbonate	12	\$21.23
13 02 11	R-0004-C	Phenol Red	12	\$15.16	13 02 48	R-0811-C	Sulphuric Acid .24N	12	\$23.69
13 02 12	R-0004-C-12	Phenol Red (12)	12	\$127.38	13 02 49	R-0851-A	Iron #1	12	\$19.65
13 02 13	R-0004-E	Phenol Red	12	\$52.52	13 02 50	R-0852-A	Iron #2	12	\$18.30
13 02 14	R-0005-A	ADR	12	\$9.10	13 02 52	R-0853-C	ADB	12	\$22.88
13 02 15	R-0005-C	ADR	12	\$16.23	13 02 54	R-0854-C	Total Hardness	12	\$33.57
13 02 16	R-0006-A	BDR	12	\$9.12	13 02 55	R-0860-A	Copper #1	6	\$16.70
13 02 17	R-0006-C	BDR	12	\$15.34	13 02 56	R-0861-A	Copper #2	6	\$17.74
13 02 18	R-0007-A	Thiosulphate	12	\$8.10	13 02 58	R-0862-C	BDR	12	\$21.46
13 02 19	R-0007-C	Thiosulphate	12	\$13.38	13 02 59	R-0867-C	Deox Rgt.	12	\$45.92
13 02 20	R-0007-C-12	Thiosulphate(12)	12	\$112.39	13 02 60	R-0870-I	DPD Powder	12	\$27.02
13 02 21	R-0008-A	Total Alk. Ind.	6	\$8.20	13 02 68	R-0870-J	DPD Powder 1/4 lb	12	\$121.25
13 02 22	R-0008-C	Total Alk. Ind.	6	\$13.65	13 02 61	R-0871-C	DPD Tit. Rgt.	12	\$44.21
13 02 23	R-0008-C-12	Total Alk. Ind.(12)	6	\$114.69	13 02 69	R-0871-E	DPD Tit. Rgt. 16 oz	12	\$81.70
13 02 24	R-0009-A	Sulphuric Acid .12N	12	\$9.10	13 02 62	R-1003J-A	Phenol Red	12	\$15.80
13 02 25	R-0009-C	Sulphuric Acid .12N	12	\$14.03	13 02 63	R-1003J-C	Phenol Red	12	\$20.46
13 02 26	R-0009-C-12	Sulphuric Acid .12N(12)	12	\$117.89	13 02 64	R-1003J-C-12	Phenol Red(12)	12	\$142.84
13 02 27	R-0010-A	Calcium Buffer	12	\$10.40	13 02 66	R-1003J-E	Phenol Red	12	\$50.25
13 02 28	R-0010-C	Calcium Buffer	12	\$16.85	13 02 67	R-1003J-F	Phenol Red	12	\$74.10
13 02 29	R-0010-C-12	Calcium Buffer(12)	12	\$141.57					
13 02 30	R-0011L-A	Cal. Ind. Liquid	12	\$16.20					
13 02 31	R-0011L-C	Cal. Ind. Liquid	12	\$24.86					
13 02 32	R-0011L-C-12	Cal Ind. Liquid(12)	12	\$208.81					
13 02 33	R-0012-A	Hardness	6	\$10.40					
13 02 34	R-0012-C	Hardness	6	\$15.32					
13 02 35	R-0012-C-12	Hardness (12)	6	\$128.66					
13 02 36	R-0013-A	Cyanuric Acid	12	\$8.80					
13 02 37	R-0013-C	Cyanuric Acid	12	\$12.62					

### Reagent Sizes

**A = 3/4 oz. or 22ml      E = 16 oz. or .47L**  
**C = 2 oz. or 60ml      F = 32 oz. or .95L**  
**D = 4 oz. or 120ml**

### 3 Taylor Test Kit Accessories and Replacement Parts

**TEST KITS AND CHEMICALS**

Item No	Model	Description	Price
13 03 01	2004B	Water Balance Treatment Guide	\$16.45
13 03 03	4024	Test Tube 11.5ml plastic	\$14.85
13 03 04	4025	Test Tube 5 ml. plastic	\$13.22
13 03 07	4026	Dipper 2 gm (for TDS kit)	\$4.92
13 03 05	4028	Pipette .5 ml w/cap	\$6.18
13 03 06	4030	Pipette .5ml & 1.0ml w/cap	\$8.71
13 03 02	6026	Circular Watergram	\$17.95
13 03 09	9056	Comparator Block 2000 series	\$35.60
13 03 12	9189	Enslow Base for Slides	\$173.03
13 03 11	9191	CYA Dispensing Bottle	\$9.66
13 03 10	9193	CYA Sample tube	\$10.58
13 03 13	9195	Dalite Lamp	\$339.96
13 03 14	9198	Sample Tube, Graduated	\$14.18
13 03 15		All Taylor Slides	\$104.18
13 03 16		Replacement Dalite Lamp Bulbs	\$9.95



**9191**



**9198**



**9193**



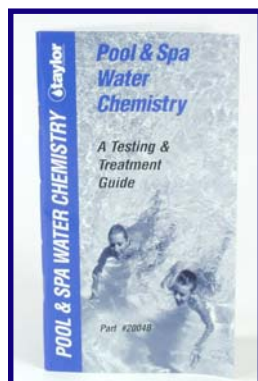
**6026**



**4024**



**4025**



**2004B**



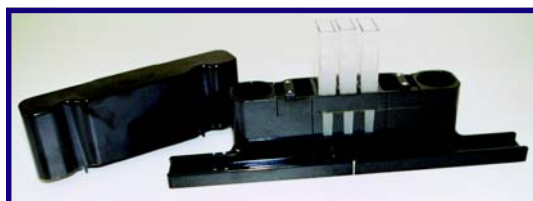
**9056**



**9195**

### Test Tablets

Item No	Description	Price
13 04 01	DPD #1 Tablets (box 1000 tablets)	\$69.95
13 04 02	DPD #3 Tablets (box 1000 tablets)	\$69.95
13 04 03	Phenol Red Tablets (box 1000 tablets)	\$69.95



**9189**

### Test Strips

Test Strips provide a quick way to test pool water. Strips offer the operator a quick and convenient snap shot of pool chemistry.

- Insta Test 3** Free Cl<sub>2</sub>, alkalinity and Ph
- Insta Test 5** Free Cl<sub>2</sub>, total Cl<sub>2</sub>, alkalinity, Ph and total hardness

Item No	Description	Price
13 04 04	Insta-Test 3	\$9.95
13 04 05	Insta-Test 5	\$17.25



# SPECIALTY CHEMICALS

## CAPO Products

**PREPAID FREIGHT OFFER** - Capo Chemical orders of \$3000.00 or more are shipped prepaid to most locations. Orders can be any mix of Capo products and can include 25 kg drums of Calcium Hypochlorite below (Item # 13 07 06).

### Oxy Out

Non chlorine shock treatment. Alternative to superchlorination. Reduces chloramines.

Item No	Product	Unit Size	Price
13 06 01	Oxyout	7 KG	\$69.35
13 06 02	Oxyout	2 x 7 KG	\$124.50
13 06 03	Oxyout	50 KG	\$328.75

### Formula 500

Commercial strength algicide that kills visible algae and prevents growth of new algae.

13 06 04	Formula 500	4 L	\$63.15
13 06 05	Formula 500	4 x 4 L	\$204.15

### TNL Cleaner

Cleaning agent for tiles and stainless steel fixtures, ideal for changing rooms.

13 06 06	TNL Cleaner	4 L	\$21.65
13 06 07	TNL Cleaner	4 x 4 L	\$72.25

### C-Clear

Clarifier used for removing suspended solids from pools.

Item No	Product	Unit Size	Price
13 06 08	C-Clear	4 L	\$29.95
13 06 09	C-Clear	4 x 4L	\$99.25

### Super Disc 3

Stabilized chlorine pucks 200 gm / 3" diameter

13 07 20	7 Kg pail of Super Disc 3	\$70.95
13 07 21	20 Kg pail of Super Disc 3	\$189.75

## Jack's Magic Blue Stuff

Specifically designed to help where high copper levels are a problem.

13 07 20	Blue Stuff Case 12 x 1L	\$290.25
13 07 21	Blue Stuff Barrel 55 Gal	\$2745.40

# BULK CHEMICALS

### Liquid Chlorine (12%)

Item No	Size/Volume	Per Unit	10+
13 07 01	4 x 4L Case	\$33.50	\$28.50
13 07 03	45 gal Drum	\$158.95*	N/A

\*plus \$60.00 drum deposit

### Muriatic Acid/Hydrochloric Acid

13 07 04	4 x 4 L	\$50.85	\$45.95
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### Granular Chlorine (65%)

13 07 06	25 KG	\$138.75	\$127.02
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### Soda Ash Dense

13 07 07	25 KG	\$35.65	\$32.15
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### Meta-Sol

Reduces rust and metal straining in main pools.

13 06 10	Meta-Sol	4 L	\$43.25
13 06 11	Meta-Sol	4 x 4 L	\$145.10

### Defoamer

13 06 13	Defoamer	4 L	\$43.25
13 06 14	Defoamer	4 x 4 L	\$142.95

### Filter Free

Concentrated powder for cleaning sand and D.E. Filters. Extends filter backwash cycles.

13 06 15	Filter Free	8 KG	\$45.95
13 06 16	Filter Free	2 x 8 KG	\$82.50

### Cal Plus

Powder used to increase calcium hardness.

Item No	Product	Unit Size	Price
13 06 18	Cal Plus	2 x 8 KG	\$42.95

### Alka Plus

Powder used to increase total alkalinity.

13 06 20	Alka Plus	2 x 8 KG	\$42.95
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### PH Up

Powder used to increase PH

13 06 21	PH Up	2 x 8 KG	\$49.50
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### PH Down

Powder used to decrease PH

Item No	Product	Unit Size	Price
13 06 22	PH Down	2 x 8 KG	\$46.35

### Spa Balls

Net ball of absorbant material. Place in skimmer to absorb body oils.

Item No	Product	Size	Price
13 06 25	Spa Balls	Case of 24	\$196.95

### Calcium Chloride

Item No	Size/Volume	Per Unit	10+
13 07 08	25 KG	\$36.10	\$32.60

### Sodium Bisulphate (ph down)

13 07 18	25 KG pail	\$145.69	\$131.51
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### Sodium Bicarbonate

13 07 09	22.7 KG	\$35.28	\$31.85
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### Sodium Thiosulphate

13 07 10	25 KG	\$143.95	\$131.60
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### Cyanuric Acid/Pool Stabilizer

13 07 12	6 x 1.8 KG	\$107.50	n/a
13 07 13	50 KG	\$196.50	n/a

# 3 TECHNICAL TIPS AND INFORMATION

## TEST KITS AND CHEMICALS Chemical Dosage Table

Desired Change	Amount	Product	Dose per 50000 Gal.	Dose per 100000 Gal.
Raise Calcium Hardness	+10PPM	Calcium Chloride	5.5 pounds	11 pounds
Raise Alkalinity	+10PPM	Sodium Bicarbonate	7.5 pounds	15 pounds
Lower Alkalinity	-10PPM	Muriatic Acid	Approximately .8 Gallon	Approximately 1.6 Gallon
Lower Alkalinity	-10PPM	Sodium Bisulfate	Approximately 8 pounds	Approximately 16 pounds
Increase Chlorine	+1PPM	Gas Chlorine	.4 pound	.8 pound
Increase Chlorine	+1PPM	Sodium Hypochlorite	.4 Gallon	.8 Gallon
Increase Chlorine	+1PPM	Calcium Hypochlorite	.65 pound	1.3 pound
Decrease Chlorine	-1PPM	Sodium Thiosulfate	.4 pound	.8 pound
Decrease Chlorine	-1PPM	Sodium Bisulfite	.6 pound	1.2 pounds
Increase CYA	+10PPM	Cyanuric Acid	4 pounds	8 pounds
Increase Salt	1.0 GPL*/1000 PPM	Salt	417 pounds	833 pounds

\*Grams per litre

### Soda Ash System - a few steps can minimize clogging

#### Get The Solution Right

Total solubility of soda ash is 21% by weight. That is 175 pounds per 100 gallons of water. At high concentrations crystallizing and clogging of feed pumps, lines and injectors will occur.

Maximum recommended solution is 7% (40 pounds soda ash per 100 gallons of water). But solution strength of 30 pounds soda ash per 100 gallons of water will result in much more trouble free operation.

#### Preventative System Cleaning

A diluted solution of muriatic acid works well (4 parts water, 1 part acid) to dissolve soda ash formations inside feed line, injectors, etc. We recommend pumping this solution through the system before it is totally clogged to prevent the need for manual disassembly and cleaning. Adjust frequency as needed.

You may also "tune" the feed pump to minimize crystallization. Soda ash tends to drop out of solution when it is not moving; set speed/stroke to ensure pump works as much as possible without under feeding pool (that is maximize actual pumping time by turning down feed rate and or stroke).

### Saturation Index Guideline

A professional facility manager will maintain a "Total Balance" in his pool water by periodically testing and adjusting pH, Calcium Hardness, Total Alkalinity and Temperature. The saturation index equation shows you whether these four water parameters are "In Balance" or causing damage to your facility through corrosion or scaling. Use the equation and chart below to determine your pool water saturation index.

Watertest	pH	CALC	ALK	TEMP
	7.5	300	100	84
Index Factors	PF	CF	AF	TF
	7.5	2.1	2.0	0.7

Index Equation:  $7.5 + 2.1 + 2.0 + 0.7 - 12.1 = +2$

$$\text{Saturation Index} = \text{PF} + \text{CF} + \text{AF} + \text{TF} - (12.1)$$

pH Test	pH Factor	Calcium Hardness Test PPM	Calcium Factor	Total Alkalinity Test PPM	Alkalinity Factor	Temp. Factor	Temp. Factor
	PF	CF	AF	TF	F°	TF	
7.0	7.0	5	0.3	5	0.7	32	0.0
7.1	7.1	25	1.0	25	1.4	37	0.1
7.2	7.2	50	1.3	50	1.7	46	0.2
7.3	7.3	75	1.5	75	1.9	53	0.3
7.4	7.4	100	1.6	100	2.0	60	0.4
7.5	7.5	150	1.8	150	2.2	66	0.5
7.6	7.6	200	1.9	200	2.3	76	0.6
7.7	7.7	300	2.1	300	2.5	84	0.7
7.8	7.8	400	2.2	400	2.6	94	0.8
7.9	7.9	800	2.5	800	2.9	105	0.9
8.0	8.0	1000	2.6	1000	3.0	128	1.0

