



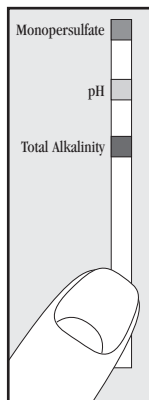
## Water Chemistry Guide Water Treatment Tables

## Basic Pool/Spa Water Chemistry

AquaChek® Monopersulfate is a test for Monopersulfate, pH, and Total Alkalinity. The test pads on the strip change color to indicate the levels in your pool or spa water. Be sure to snap the lid securely closed on the AquaChek bottle immediately after dispensing a strip. This will prevent strips from spilling and keep them fresh. **Store the strips in a cool, dry place, and leave the packet of drying agent in the bottle—it will keep the test strips at their best.**

**WARNING: Exercise extreme caution when handling chemicals.** Do not add chemicals when swimmers are in the water. Never store acids and chlorine compounds next to each other. Never mix chemicals together; add chemicals to the water one at a time. Handle acid very carefully. Wear protective eyewear and keep material away from children. **Always follow the chemical manufacturer's directions.**

**To keep your pool at its best, test at each end a minimum of twice a week, and test your spa before each use. It's also a good idea to write down your results each time you test.**



## Monopersulfate

This AquaChek test is formulated to test for Monopersulfate (it will also react to chlorine or bromine). Monopersulfate is a strong oxidizer capable of eliminating contaminants, thereby helping to maintain a crystal clear pool or spa. Monopersulfate can be used in two ways. It can be used as a shock chemical in pools and spas that utilize chlorine or bromine as the primary sanitizer. Monopersulfate can also be used in some sanitizing systems in place of chlorine or bromine. In this case, the water should be tested frequently to ensure a proper level is present. If the Monopersulfate level is low, add more Monopersulfate. For more detailed advice on the chemical treatment of your pool or spa, contact a pool care professional.

Non-Chlorine Shock Chart (Monopersulfate)						
Amount needed to Introduce Approximately 12 ppm (mg/L)						
	Pool Volume					
	500 gal. 1.9 kL	1,000 gal. 3.8 kL	5,000 gal. 19 kL	10,000 gal. 38 kL	15,000 gal. 57 kL	25,000 gal. 95 kL
Powder Monopersulfate	1 oz. 28 g	2 oz. 57 g	8 oz. 227 g	1 lb. 454 g	1 1/2 lbs. 681 g	2 1/2 lbs. 1.1 kg

## pH

pH refers to the intensity of acid or alkaline materials in your water. If pH is too high, scale can form on surfaces in contact with the water. If pH is too low, metal parts will corrode. Adjust Total Alkalinity before adjusting the pH; this will help prevent sudden fluctuations in pH.\* When the pH is too low, add soda ash. When it is too high, add an acid. (See tables below.) For more detailed advice on the specific chemical treatment for your pool or spa, contact your dealer.

\*Note: Low pH readings may result when Total Alkalinity is less than 80 ppm (parts per million). If the Total Alkalinity pad turns blue (very high) or yellow (very low), adjust the Total Alkalinity. Re-test until the test shows the alkalinity to be within the ideal range of 80-120 ppm.

Raising pH with Soda Ash (Sodium Carbonate)						
(When pH is under 7.2, add the amount of soda ash indicated below, then retest)						
pH Level	Pool Volume					
	1,000 gal. 3.8 kL	5,000 gal. 19 kL	10,000 gal. 38 kL	15,000 gal. 57 kL	25,000 gal. 95 kL	
7.0 - 7.2	3/4 oz.	4 oz.	8 oz.	12 oz.	1 1/4 lbs.	
	21.3 g	113 g	227 g	340 g	568 g	
6.7 - 7.0	1 1/4 oz.	6 oz.	12 oz.	1 lb.	2 lbs.	
	35.4 g	170 g	340 g	454 g	908 g	
Under 6.7	1 1/2 oz.	8 oz.	1 lb.	1 1/2 lbs.	2 1/2 lbs.	
	42.5 g	227 g	454 g	681 g	1.1 kg	

Lowering pH using Dry Acid (Sodium Bisulfate)						
(When pH is over 7.8, add the amount of acid indicated below, then retest)						
pH Level	Pool Volume					
	1,000 gal. 3.8 kL	5,000 gal. 19 kL	10,000 gal. 38 kL	15,000 gal. 57 kL	25,000 gal. 95 kL	
7.8 - 8.0	0.1 lbs.	0.3 lbs.	0.6 lbs.	0.9 lbs.	1.5 lbs.	
	45 g	136 g	272 g	408 g	681 g	
8.0 - 8.4	0.2 lbs.	0.5 lbs.	1.0 lbs.	1.5 lbs.	2.5 lbs.	
	91 g	227 g	454 g	681 g	1.1 kg	
Over 8.4	0.3 lbs.	0.8 lbs.	1.5 lbs.	2.3 lbs.	3.8 lbs.	
	136 g	363 g	681 g	1.0 kg	1.7 kg	

## Total Alkalinity

Total Alkalinity measures the amount of alkaline substances (carbonates and bicarbonates) in your water. Alkaline substances buffer your water against sudden changes in the pH of the water. It is important to prevent pH changes that can cause corrosion or scaling of metal fixtures. Total Alkalinity should be adjusted before adding chemicals to balance pH or Free Chlorine.\* If Total Alkalinity is too low, add sodium bicarbonate. If Total Alkalinity is too high, add an acid. (See tables below.) For more detailed advice on the specific chemical treatment for your pool or spa, contact your dealer.

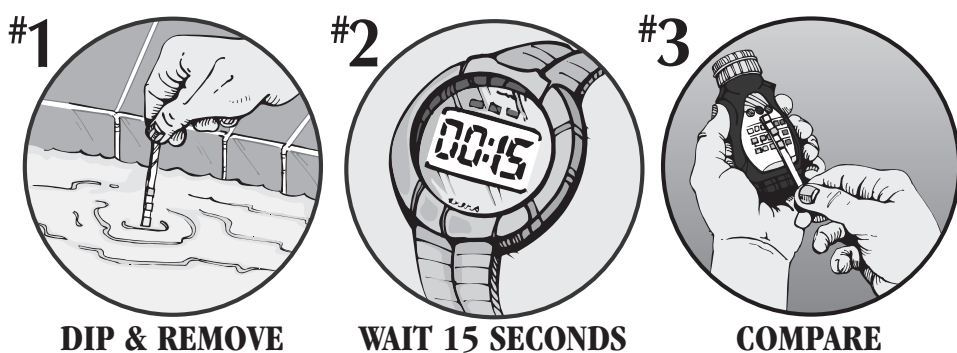
Raising Alkalinity With Sodium Bicarbonate						
Increase in Total Alkalinity in ppm	Pool Volume					
	1,000 gal. 3.8 kL	5,000 gal. 19 kL	10,000 gal. 38 kL	15,000 gal. 57 kL	25,000 gal. 95 kL	
10	2 1/2 oz. 62 g	12 oz. 340 g	1 1/2 lbs. 681 g	2 1/4 lbs. 1 kg	3 3/4 lbs. 1.7 kg	
20	4 3/4 oz. 135 g	1 1/2 lbs. 681 g	3 lbs. 1.4 kg	4 1/2 lbs. 2 kg	7 1/2 lbs. 3.4 kg	
50	12 oz. 340 g	3 3/4 lbs. 1.7 kg	7 1/2 lbs. 3.4 kg	11 1/4 lbs. 5 kg	18 3/4 lbs. 8.5 kg	

Lowering Alkalinity With Dry Acid (Sodium Bisulfate)						
Decrease in Total Alkalinity in ppm	Pool Volume					
	1,000 gal. 3.8 kL	5,000 gal. 19 kL	10,000 gal. 38 kL	15,000 gal. 57 kL	25,000 gal. 95 kL	
10	2 1/2 oz. 70.8 g	12 3/4 oz. 361 g	1 1/2 lbs. 681 g	2 1/2 lbs. 1.1 kg	4 lbs. 1.8 kg	
20	5 oz. 142 g	1 1/2 lbs. 681 g	3 1/4 lbs. 1.5 kg	4 3/4 lbs. 2.2 kg	8 lbs. 3.6 kg	
50	12 3/4 oz. 361 g	4 lbs. 1.8 kg	8 lbs. 3.6 kg	12 lbs. 5.4 kg	20 3/4 lbs. 9.4 kg	

To learn more about pool and spa water testing,  
 visit our web site, [www.AquaChek.com](http://www.AquaChek.com)



# AquaChek®



**#1**  
**DIP & REMOVE**

**#2**  
**WAIT 15 SECONDS**

**#3**  
**COMPARE**

## ENGLISH

**Directions:** 1. Dip a strip into water and remove immediately. 2. Hold strip level for 15 seconds (do not shake excess water from strip.) 3. Compare Monopersulfate, pH, and Total Alkalinity pads (in that order) to color chart on label.

**Important:** Keep cap closed tight between uses. Store at room temperature. Use by expiration date on cap.

## FR

**Directions :** 1. Trempez la bandelette dans l'eau et retirez-la immédiatement. 2. Tenez la bandelette à l'horizontale pendant 15 secondes (n'essorez pas l'eau accumulée sur la bandelette). 3. Comparez les carrés de monopersulfate, pH et de l'alcalinité totale (dans cet ordre) au tableau de couleur sur l'étiquette.

Pour interpréter le tableau sur la bouteille : **LOW**=BAS, **OK**=OK, **HIGH**=HAUT

**Important :** Gardez toujours le bouchon correctement vissé entre les utilisations. Rangez à température ambiante. Utilisez avant la date de préemption indiquée sur le bouchon.

## ES

**Instrucciones:** 1. Sumerja una tira en agua y retírela inmediatamente 2. Sostenga la tira al ras durante 15 segundos (no sacuda la tira para quitar el exceso de agua). 3. Compare el monopersulfato, pH y alcalinidad total (en ese orden) con la tabla de colores en la etiqueta.

Interpretar la tabla en el frasco: **LOW**=BAJO, **OK**=OK, **HIGH**=ALTO

**Importante:** Mantenga la tapa muy bien cerrada entre usos. Conserve a temperatura ambiente. Use antes de la fecha de vencimiento que figura en la tapa.

## IT

**Indicazioni:** 1. Immergere una striscia nell'acqua e rimuovere immediatamente. 2. Tenere la striscia orizzontale per 15 secondi (senza scuotere l'acqua in eccesso). 3. Confrontare i settori di monopersolfato, pH e alcalinità (in quest'ordine) sulla tabella a colori dell'etichetta.

Per interpretare la tabella sulla bottiglia: **LOW**=BASSO, **OK**=OK, **HIGH**=ALTO

**Importante:** tra un'utilizzo e l'altro, tenere chiuso il tappo. Conservare a temperatura ambiente. Utilizzare prima della data di scadenza.

## PT

**Instruções:** 1. Mergulhar uma fita na água e retirar imediatamente. 2. Manter a fita nivelada durante 15 segundos (não sacudir o excesso de água da fita). 3. Comparar os indicadores de monopersulfato, pH e alcalinidade total (por esta ordem) com o quadro de cores na etiqueta.

Para interpretar o quadro no frasco: **LOW**=BAIXO, **OK**=OK, **HIGH**=ALTO

**Importante:** Manter a tampa bem fechada entre utilizações. Conservar à temperatura ambiente. Utilizar até à data de validade indicada na tampa.

## DE

**Anweisungen:** 1. Einen Streifen ins Wasser tauchen und sofort herausnehmen. 2. Streifen 15 Sekunden lang waagrecht halten. (Überschüssiges Wasser nicht abschütteln.) 3. Die Felder für Monopersulfat, pH und Gesamtalkalität (in dieser Reihenfolge) mit der Farbskala auf dem Etikett vergleichen.

Erklärung der Farbskala auf der Flasche: **LOW**=TIEF, **OK**=OK, **HIGH**=HOCH

**Wichtig:** Verschlusskappe nach Gebrauch gut schließen. Bei Raumtemperatur lagern. Vor Ablauf des Verfallsdatums verwenden (siehe Verschlusskappe).

## NL

**Aanwijzingen:** 1. Dompel een strip onder in het water en haal er direct weer uit. 2. Houd de strip 15 seconden horizontaal (het overtollige water niet van de strip schudden) 3. Vergelijk het gehalte monopersulfaat, de pH en de totale alkaliteit van de pads (in die volgorde) met de kleurenkaart op het etiket.

Voor de beoordeling van de kaart op de fles: **LOW**=LAAG, **OK**=OK, **HIGH**=HOOG

**Belangrijk:** Na elk gebruik moet de dop stevig gesloten worden. Bij kamertemperatuur bewaren. Niet gebruiken na de op de dop vermelde uiterste gebruiksdatum.

## DK

**Vejledning:** 1. Dyp en strimmel i vand og fjern den øjeblikkelig. 2. Hold strimlen vandret i 15 sekunder (ryst ikke overskydende vand af strimlen). 3. Sammenlign felterne for monopersulfat, pH, og samlet mængde alkalitet (i samme rækkefølge) med farvediagrammet på etiketten.

For at tolke diagram på flaske: **LOW**=LAV, **OK**=OK, **HIGH**=HØJ

**Vigtigt:** Hold låget stramt lukket, når produktet ikke er i brug. Opbevar ved stuetemperatur. Anvendes inden udløbsdatoen overst på låget.

## SE

**Obs:** 1. Doppa ner teststickan i vattnet och ta upp den omedelbart. 2. Håll upp stickan i 15 sekunder (skaka inte av överflödigt vatten från stickan). 3. Jämför monopersulfat, pH och total alkalinitet (i den ordningen) med färgskalan.

Utläs markeringarna på flaskan enligt följande: **LOW**=LÅG, **OK**=OK, **HIGH**=HÖG

**Viktigt:** Tillslut förpackningen noga mellan användningarna. Förvara i rumstemperatur. Använd före bäst-före-datum på locket.

## RU

**Применение:** 1. Опустите полоску в воду и немедленно извлеките. 2. Подержите полоску горизонтально 15 секунд (не стряхивайте излишки воды с полоски). 3. Сравните индикаторы моноперсульфата, водородного показателя и общей щелочности с цветной испытательной таблицей на этикетке.

Интерпретация таблицы на флаконе: **НИЗКИЙ**=LOW, **OK**=НОРМА, **HIGH**=ВЫСОКИЙ

**Внимание!** Держите крышку плотно закрытой между проверками. Хранить при комнатной температуре. Использовать до истечения срока годности, указанного на крышке.

## PL

**Wskazówki:** 1. Włożyć pasek do wody i natychmiast wyjąć. 2. Przez 15 sekund trzymać pasek poziomo (nie strząsać z paska nadmiaru wody). 3. Porównać pola testowe monopersulfatu, pH i zasadowości całkowitej (w tej kolejności) ze skalą kolorów.

Interpretacja skali na butelce: **LOW**=NISKA, **OK**=OK, **HIGH**=WYSOKA

**Ważne:** Po użyciu produktu szczelnie zamknąć pojemnik. Przechowywać w temperaturze pokojowej. Nie używać po upływie daty ważności podanej na pokrywce.

## CZ

**Pokyny:** 1. ponořte proužek do vody a okamžitě jej vytáhněte. 2. Držte proužek ve vodorovné poloze 15 sekund (nesetřepávejte přebytečnou vodu z proužku). 3. Porovnejte polštářky monopersulfátu, pH a celkové alkality (v tomto pořadí) s barevnou škálou na štítku.

Pro výklad diagramu na láhvi: **LOW**=NÍZK?, **OK**=OK, **HIGH**=VYSOK?

**Důležité upozornění:** Pokud přípravek nepoužíváte, víčko pevně dotáhněte. Používejte do data uvedeného na víčku.

## EL

**Οδηγίες:** 1. Εμβατίστε μια ταινία στο νερό και αφαιρέστε την αμέσως 2. Κρατήστε την ταινία οριζόντια για 15 δευτερόλεπτα (μην τινάζετε την περίσσεια νερού από την ταινία). 3. Συγκρίνετε τις πλακέτες μονο-υπερθεικού, pH και ολικής αλκαλικότητας (με τη σειρά αυτή) με το χρωματικό διάγραμμα που εμφανίζεται στην ετικέτα.

Για την ερμηνεία του διαγράμματος στη φιάλη: **LOW**=ΧΑΜΗΛΟ, **OK**=OK, **HIGH**=ΥΨΗΛΟ

**Σημαντικό:** Διατηρείτε το πάμα ερμητικά κλειστό μεταξύ των χρήσεων. Φυλάσσετε σε θερμοκρασία δωματίου. Χρησιμοποιείτε έως την ημερομηνία λήξης που αναγράφεται πάνω στο πάμα.

## HU

**Útmutatás:** 1. Merítsen egy csíkot vízbe és azonnal vegye is ki 2. Tartsa közben a csíkot 15 másodpercig (ne rázza le róla a vizet). 3. Hasonlítsa össze a monoperszulfát, pH, és összlúg lapokat (ebben a sorrendben) a címkén található színskálával.

Az üvegen található diagramm magyarázata: **LOW**=ALACSONY, **OK**=RENDBEN, **HIGH**=MAGAS

**Fontos:** Használat után szorosan zárja vissza a kupakot. Szobahőmérsékleten tárolja. A kupakon jelzett lejárati idő után ne használja.

## TU

**Talimat:** 1. Bir stripi suya daldırın ve hemen çıkarın. 2. Stripi 15 saniye yatay tutun (stripten fazla suyu sallayarak gidermeyin). 3. Monopersulfat, pH ve Toplam Alkalinite pedlerini (bu sırayla) etiketeki renk tablosuyla karşılaştırın.

Şişedeki tabloyu yorumlamak için: **LOW**=DÜŞÜK, **OK**=İYİ, **HIGH**=YÜKSEK

**Önemli:** Kullanılmadığında kapağı sıkıca kapalı tutun. Oda sıcaklığında saklayın. Kapaktaki son kullanma tarihinden önce kullanın.

ppm = mg/L    ppm (частей на миллион) = мг / л