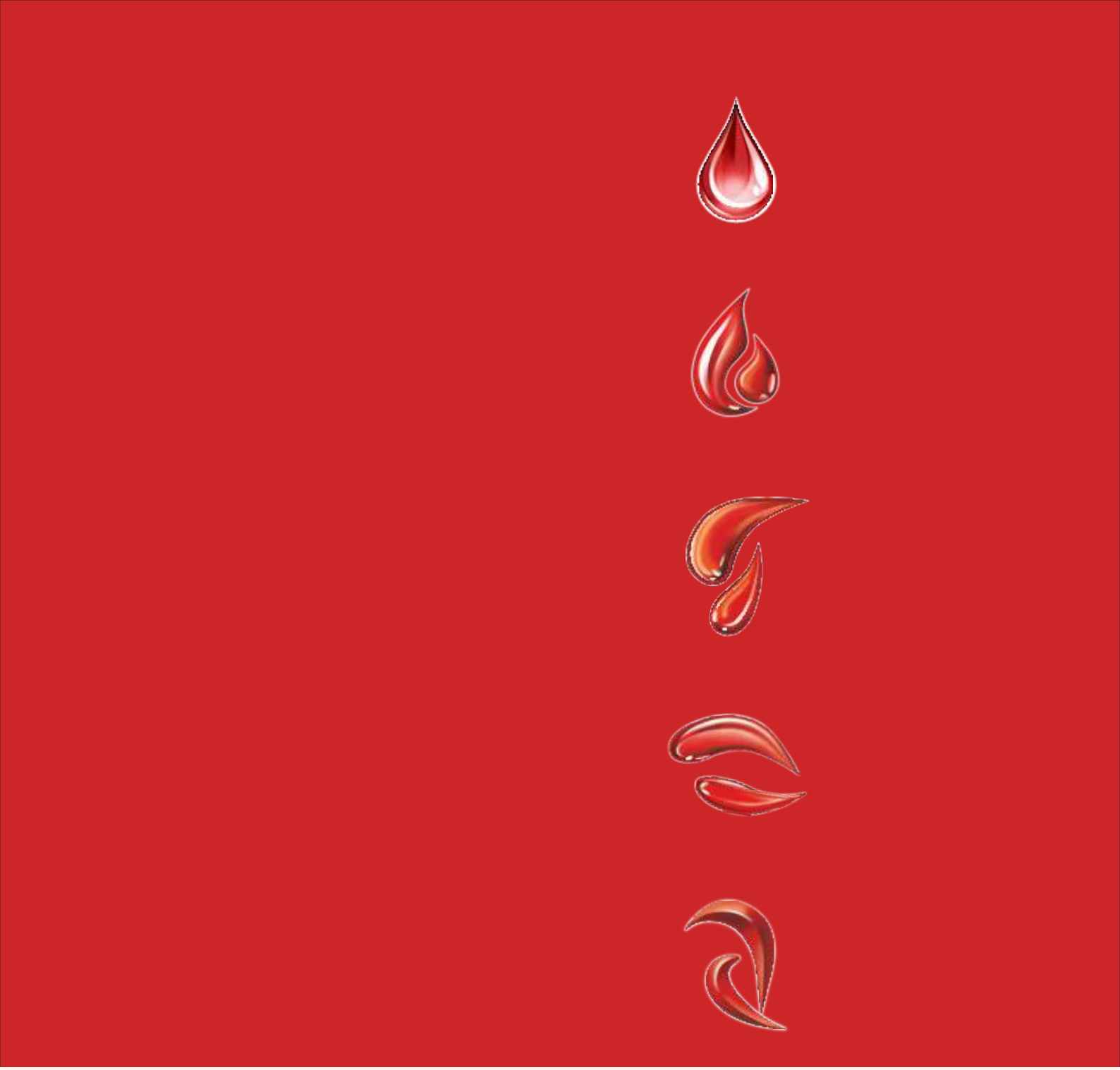


RAKIRO

Create...Innovate...Deliver!

Rakiro Biotech Systems Private Limited
www.rakiro.net

About Us

Rakiro provides solutions for testing, measurement and water treatment for the process Industry. In past few years we have made a mark in the field of testing and have a strong presence in India as well as other parts of the world with a wide network of dealers & distributors. Also with a vast experience in the field of water treatment our chemical division specializes in chemical formulations required in the smooth running of various processes and helps improve the efficiency of production. We are truly invested in understanding our clients' needs and working with them to deliver high quality solutions, with continuously reviewing and improving our way of working. All our products are evaluated and approved by major institutes and authorities in India.

Our Infrastructure

Our pragmatic workforce & state of the art manufacturing facility produces a wide range of Instruments & Field Test Kits for both microbiological & chemical analytical parameters. Our ERP system based operations help us to make majority of the product range available of the shelf. This helps all our clients in enhancing the pace of onsite Testing or Treatment & thus efficiently monitor a running process. We understand the importance of systems and processes for smooth functioning and thus we follow system driven operations. We have aquired ISO 9001:2015 certification for our Quality Management System (QMS).



Automized Production

Instrument Assembly





Quality Control

R&D Laboratory



Our Team

For us leadership is not about glorious crowning acts. It's about keeping your team focused on a goal and motivated to do their best to achieve it.



AQUASOL

Analyzing Waters
Anytime... Anywhere...



AQUASOL test kits are extremely simple and easy to use making monitoring convenient and quick, thus preventive action can be taken immediately. You neither have to be a trained chemist nor require any experience to get reliable results from these test kits.

AQUASOL test kits are based on standard and established analytical methods, backed by chemical research. These are simple adaptations of classic chemical analytical methods. The analytical methods are based on Standard Methods for Examination of Water and Waste Water prepared by American Public Health Association (APHA), American Water Works Association (AWWA), different pharmacopoeias and other standard methods.

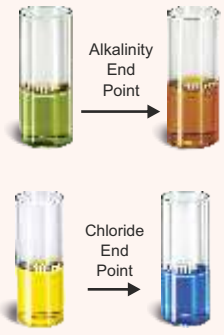
You can have complete confidence in the results you obtain from AQUASOL, as they are extremely reliable. AQUASOL® systems replace conventional analytical methods such as Titrimetric, Colorimetric and Spectrophotometric by simple drop tests and standard colour comparison methods.



AQUASOL reagents are completely ready to use, conveniently packed, and therefore user friendly. Our drop count procedures and colour comparisons tests are economical.

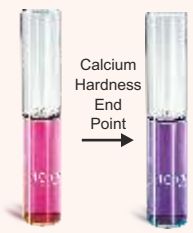
AQUASOL test kits are extremely convenient, and free you from the tedium of the laboratory, while saving precious time. Now you do not have to bother about reagent preparations and standardization. Therefore AQUASOL test kits have been designed especially for you, who require accuracy of the highest standards.

AQUASOL test kits are available for almost all water parameters.









Combination Kits

AQUASOL Range

Sr	Parameter	Code	Product Range	No. of Tests
1	Total Hardness Test Kit	AE201	2 - 40 & 5 - 100 PPM (Mg/L)	250
2	Total Hardness Test Kit	AE211	2 - 40 & 25 - 500 PPM (Mg/L)	250
3	Total Hardness Test Kit	AE221	5 - 100 & 25 - 500 PPM (Mg/L)	250
4	Total Hardness Test Kit	AE231	1 - 20 & 5 - 100 PPM (Mg/L)	250
5	Total Hardness Test Kit	AE241	50 - 1000 PPM (Mg/L)	250
6	Total Hardness Test Kit	AE501	2 - 40 & 5 - 100 PPM (Mg/L)	500
7	Total Hardness Test Kit	AE511	2 - 40 & 25 - 500 PPM (Mg/L)	500
8	Total Hardness Test Kit	AE521	5 - 100 & 25 - 500 PPM (Mg/L)	500
9	Total Hardness Test Kit	AE531	1 - 20 & 5 - 100 PPM (Mg/L)	500
10	Total Hardness Test Kit	AE541	50 - 1000 PPM (Mg/L)	500
11	Acidity Test Kit	AE264	10 - 200 & 100 - 2000 PPM (Mg/L)	300
12	Alkalinity Test Kit	AE204	10 - 200 & 100 - 2000 PPM (Mg/L)	300
13	Alkalinity Test Kit	AE214	5 - 100 & 25 - 500 PPM (Mg/L)	300
14	Aluminium Test Kit	AE451*	0.0, 0.1, 0.2, 0.4, 0.6, 0.8, 1.0, 1.5 PPM / 0.0, 0.015, 0.03, 0.05, 0.075, 0.15 PPM	200
15	Amine Test Kit	AE402	5 - 100 & 50 - 1000 PPM (Mg/L)	300
16	Amine Test Kit	AE412	1 - 20 PPM (Mg/L)	300
17	Ammonia Test Kit	AE307*	0.5, 1, 2, 4, 6, 8 PPM	250
18	Ammonia Test Kit	AE317*	0.05, 0.1, 0.25, 0.5, 0.75, 1 PPM	100
19	Ammonia Test Kit (Salt Water)	AE337*	0.05, 0.25, 0.5, 1.0, 2.0, 4.0, 6.0, 8.0 PPM	250
20	Ammonia Test Kit	AE357*	0.05, 0.25, 0.5, 1.0, 2.0, 4.0, 6.0, 8.0 PPM	250
21	Arsenic Test Kit	AE408*	0, 5, 10, 25, 50, 75, 100 PPB (50 Tests) / 0, 0.15, 0.2, 0.5, 1.0, 2.0, 3.0 PPM (50 Tests)	100
22	Arsenic Test Kit	AE418*	0, 5, 10, 25, 50, 75, 100, 300, 500 PPB	60
23	Bromine Test Kit	AE404	0.1 - 2.0 PPM (Mg/L)	300
24	Calcium Hardness Test Kit	AE202	5 - 100 PPM (Mg/L)	300
25	Calcium Hardness Test Kit	AE212	25 - 500 PPM (Mg/L)	300
26	Carbon Dioxide Test Kit	AE403	2 - 40 & 10 - 200 PPM (Mg/L)	300
27	Chloride Test Kit	AE203	10 - 200 & 50 - 1000 PPM (Mg/L)	300
28	Chloride Test Kit	AE213	2 - 40 & 5 - 100 PPM (Mg/L)	300
29	Chloride Test Kit	AE213L	1 - 20 PPM (Mg/L)	300
30	Chlorine Dioxide Test Kit	AE405	0.2 - 4.0 PPM (Mg/L)	300
31	Chlorine Dioxide Test Kit	AE415*	0.1,0.2, 0.5, 1.0, 2.0, 3.0, 4.0, 5.0 PPM	500
32	Chlorine Test Kit	AE246	10 - 200 PPM (Mg/L)	300
33	Chlorine Test Kit	AE246L	1 - 20 PPM (Mg/L)	300
34	Chloroscope Test Kit	AE409*	0.05, 0.1, 0.2, 0.4, 0.7, 1.0, 2.0, 3.0, 4.0, 5.0 PPM	1000
35	Chloroscope Test Kit	AE419*	0.05, 0.1, 0.2, 0.4, 0.7, 1.0, 2.0, 3.0, 4.0, 5.0 PPM	1000
36	Chromate Test Kit	AE208	5 - 100 & 25 - 500 PPM (Mg/L)	200
37	COD Test Kit	AE407	40 - 400 PPM (Mg/L)	100
38	COD Heating Mantle	AE407HM	0 - 100 Deg	NA
39	COD Test Kit	AE407R	40 - 400 PPM (Mg/L)	100
40	Copper Test Kit	AE310*	0.025, 0.05, 0.1, 0.25, 0.5, 0.75, 1, 2, 3, 5 PPM	250
41	DEHA Test Kit	AE453*	0, 0.05, 0.1, 0.2, 0.4, 0.7, 1.0, 1.5 PPM	300
42	Dissolved Oxygen Test Kit	AEDO8	0.5 - 8.0 PPM (Mg/L)	250
43	Fluoride Test Kit	AE210	0.1 - 2.0 & 1 - 20 PPM (Mg/L)	300
44	Fluoride Test Kit	AE220*	0, 0.25, 0.5, 0.75, 1, 1.5, 2, 3 PPM	200

Note: Product marked (*) are based on Colour Comparison Method & all others products are Drop Titration Method based.

AQUASOL Range

Sr	Parameter	Code	Product Range	No. of Tests
45	Free Chlorine Test Kit	AE205	0.1 - 2.0 PPM (Mg/L)	300
46	Free Chlorine Test Kit	AE215	0.2 - 4.0 PPM (Mg/L)	300
47	Free Chlorine Test Kit (DPD)	AE225*	0, 0.2, 0.5, 1.0, 2.0, 3.0, 4.0, 5.0 PPM (Comparator)	300
48	Formaldehyde Test Kit	AE454*	0, 10, 25, 50, 75, 100, 150, 200 PPM (Mg/L)	300
49	Hydrazine Test Kit	AE304*	0.1, 0.2, 0.3, 0.4, 0.75, 0.9, 1.0, 1.25 PPM	200
50	Hydrogen Peroxide Test Kit	AEHP	5 - 100 & 25 - 500 PPM (Mg/L)	300
51	Hydrogen Sulphide Test Kit	AE452*	0, 0.025, 0.05, 0.075, 0.1, 0.25, 0.5, 1.0 PPM	200
52	Hydrogen Sulphide Test Kit	AE462*	0, 2.5, 5.0, 7.5, 10, 15, 20, 25 PPM	200
53	Iodine Test Kit	AE406	0.1 - 2.0 PPM (Mg/L)	150
54	Iron Test Kit	AE303*	0, 0.05, 0.1, 0.3, 0.4, 0.5, 0.7,1, 1.5, 2 PPM	200
55	Iron Test Kit	AE313*	0, 2, 4, 6, 8, 10 PPM	200
56	Manganese Test Kit	AE410*	0.025, 0.05, 0.1, 0.2, 0.3, 0.4 PPM	200
57	Molybdate Test Kit	AE309*	5, 10, 20, 30, 40, 50 PPM	400
58	Nitrate Test Kit	AE308*	0.5, 1.0, 2.5, 5.0, 7.5, 10, 20, 30, 40, 50 PPM	300
59	Nitrate Test Kit	AE318*	0, 5, 10, 20, 30, 40, 80, 160 PPM	300
60	Nitrate Test Kit (Salt Water)	AE328*	0, 5, 10, 20, 30, 40, 80, 160 PPM	300
61	Nitrite Test Kit	AE207	50 - 1000 PPM (Mg/L)	300
62	Nitrite Test Kit	AE217*	0.025, 0.05, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8 PPM	500
63	Nitrite Test Kit	AE227*	0, 0.25, 0.5, 0.75, 1, 2, 3, 5 PPM	500
64	Nitrite Test Kit (Salt Water)	AE247*	0, 0.25, 0.5, 0.75, 1.0, 2.0, 3.0, 5.0 PPM	500
65	Nitrite Test Kit	AE257*	1, 2.5, 5.0, 7.5, 10, 20, 30, 50 PPM	400
66	Ozone Test Kit	AEOZ3	0.05 – 1.00 PPM (Mg/L)	100
67	Ozone Test Kit	AEOZ3H	0.25 – 5.00 PPM (Mg/L)	100
68	PH Test Kit	AE306*	4, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10	250
69	PH Test Kit	AE316*	6, 6.4, 6.6, 6.8, 7, 7.2, 7.6, 7.4, 7.8, 8.0, 8.2, 8.4, 8.8, 9.0	500
70	PH Test Kit	AE326*	7.4, 7.6, 7.8, 8.0, 8.2, 8.4, 8.8, 9.0	500
71	Phosphate Test Kit	AE301*	0, 2.5, 5, 10,20, 30, 40, 50 PPM	500
72	Phosphate Test Kit	AE311*	0.1, 0.2, 0.5, 1.0, 2.5, 5.0, 7.5, 10 PPM	500
73	Phosphonate Test Kit	AE401	5 - 100 & 25 - 500 PPM (Mg/L)	300
74	Phosphonate Test Kit	AE411	2-40 & 5-100 PPM (Mg/L)	300
75	Silica Test Kit	AE302*	5, 10, 20, 40, 60, 80 PPM	500
76	Silica Test Kit	AE312*	0.0, 0.01, 0.025, 0.05, 0.075, 0.1 PPM	100
77	Silica Test Kit	AE322*	0.05, 0.1, 0.2, 0.4, 0.8, 1.5, 3, 5 PPM	100
78	Silica Test Kit	AE332*	75, 100, 125, 150, 175, 200 ppm	200
79	Sulphate Test Kit	AE209	10 - 200 & 50 - 1000 PPM (Mg/L)	300
80	Sulphate Test Kit	AE219	5 - 100 & 25 - 500 PPM (Mg/L)	300
81	Sulphite Test Kit	AE206	5 - 100 PPM (Mg/L)	300
82	Sulphite Test Kit	AE216	5 - 100 PPM (Mg/L)	300
83	Tannin Test Kit	AE2TN	5 - 100 & 25 - 500 PPM (Mg/L)	300
84	Total Chlorine Test Kit	AE235	0.1 - 2.0 PPM (Mg/L)	300
85	Total Chlorine Test Kit	AE245	0.2 - 4.0 PPM (Mg/L)	300
86	Turbidity Test Kit	AE300*	1, 5, 10, 20, 25 PPM	NA
87	Zinc Test Kit	AE305*	0, 0.1, 0.25, 0.5, 1.0, 2.5, 5.0, 7.5 PPM	300
88	Swimming Pool Test Kit	AE105*	pH- 6.5, 7.0, 7.5, 8.0, 8.5, 9.0 / Chlorine- 0.5, 1.0, 2.0, 3.0, 4.0, 5.0 PPM	1000

Note: Product marked (*) are based on Colour Comparison Method & all others products are Drop Titration Method based.

AQUASOL Range

Sr	Product Code	Parameters	Product Range	No. of Tests
1	**AE101** COOLING WATER TEST KIT	Total Hardness	2-40, 5-100, 25-500 PPM (MG/L)	200 Each
		Calcium Hardness	5-100 PPM (MG/L)	
		Alkalinity	10- 200 & 100-2000 PPM (MG/L)	
		Chloride	10-200 & 50-1000 PPM (MG/L)	
		pH	4 to 10	
		Iron (Dissolved)	0 - 2.0 PPM (MG/L)	
		Silica	5 - 80 PPM (MG/L)	
		Phosphate	0 - 40 PPM (MG/L)	
		Free Chlorine	0.1-2.0 PPM (MG/L)	
2	**AE102** BOILER WATER TEST KIT	Total Hardness	2-40, 5-100, 25-500 PPM (MG/L)	200 Each
		Calcium Hardness	5-100 PPM (MG/L)	
		Alkalinity	10- 200 & 100-2000 PPM (MG/L)	
		Chloride	10-200 & 50-1000 PPM (MG/L)	
		pH	4 to 10	
		Iron (Dissolved)	0 - 2.0 PPM (MG/L)	
		Silica	5 - 80 PPM (MG/L)	
		Phosphate	0 - 40 PPM (MG/L)	
		Sulphite	5-100 PPM (MG/L)	
3	**AE103** DRINKING WATER TEST KIT	pH	4 to 10	200 Each
		Turbidity	1 to 25 as NTU	
		Total Hardness	10 - 200 & 50-1000 PPM (MG/L)	
		Chloride	10-200 & 50-1000 PPM (MG/L)	
		Free Chlorine (DPD)	0.1-2.0 PPM (MG/L)	
		Iron (Dissolved)	0 - 2.0 PPM (MG/L)	
		Fluoride	0.1 - 2.0 PPM (MG/L)	
		Nitrate	0.5 - 50 PPM (MG/L)	
		Alkalinity	10-200 & 100-2000 PPM (MG/L)	
4	**AE104** RO WATER TEST KIT	pH	4 to 10	200 Each
		Total Hardness	2-40, 25-500 PPM (MG/L)	
		Calcium Hardness	5-100 PPM (MG/L)	
		Silica	5, 10, 20, 40, 60, 80 PPM (MG/L)	
		Sulphate	10-200, 50-1000 PPM (MG/L)	
		Iron (Dissolved)	0 - 2.0 PPM (MG/L)	
		Nitrate	0.5-50 PPM (MG/L)	
		Nitrite	0.025-0.8 PPM (MG/L)	
5	**AE106** PURIFIED WATER (IP) TEST KIT	Acidity & Alkalinity	All are Limit Tests	100 Each
		Magnesium & Calcium		
		Ammonium		
		Sulphate		
		Chloride		
		Heavy Metal as Pb		

AQUASOL Range

Sr	Product Code	Parameters	Product Range	No. of Tests
6	**AE107** METAL WORKING FLUID TEST KIT	Total Hardness	2-40, 5-100,25-500 PPM (MG/L)	200 Each
		Chloride	10-200 & 50-1000 PPM (MG/L)	
		pH	4—10	
7	**AE108F** AQUACULTURE FRESH WATER TEST KIT	pH	6.0 - 7.6 & 7.4 - 9.0	100 Each
		Ammonia	0.25 - 8.0 PPM (MG/L)	
		Nitrate	5 - 160 PPM (MG/L)	
		Nitrite	0.25 - 5.0 PPM (MG/L)	
8	**AE108S** AQUACULTURE SALT WATER TEST KIT	pH	7.4 - 9.0	100 Each
		Ammonia	0.25 - 8.0 PPM (MG/L)	
		Nitrate	5 - 160 PPM (MG/L)	
		Nitrite	0.25 - 5.0 PPM (MG/L)	
9	**AE118F** AQUACULTURE FRESH WATER TEST KIT	pH	6.0 - 7.6 & 7.4 - 9.0	200 Each
		Ammonia	0.25 - 8.0 PPM (MG/L)	
		Nitrate	5 - 160 PPM (MG/L)	
		Nitrite	0.25 - 5.0 PPM (MG/L)	
		DO	0.5 - 8.0 PPM (Mg/L)	
10	**AE118S** AQUACULTURE SALT WATER TEST KIT	pH	6.0 - 7.6 & 7.4 - 9.0	200 Each
		Ammonia	0.25 - 8.0 PPM (MG/L)	
		Nitrate	5 - 160 PPM (MG/L)	
		Nitrite	0.25 - 5.0 PPM (MG/L)	
		DO	0.5 - 8.0 PPM (Mg/L)	
11	**AE109** CONSTRUCTION WATER TEST KIT	Calcium Hardness	25 – 500 PPM (MG/L)	200 Each + AMPPH + AMPEC
		Chloride	10 – 200, 50 – 2000 PPM (MG/L)	
		Acidity	10 – 200, 50 – 1000 PPM (MG/L)	
		Alkalinity	10 – 200, 50 – 1000 PPM (MG/L)	
		Sulphate	10 – 200 PPM (MG/L)	
		pH	0 - 14 (PH Meter : AMPPH)	
		TDS / Conductivity	0 – 9990 PPM (MG/L) (TDS Meter : AMPEC)	
12	**AE110** SOIL TEST KIT (10 Test each)	pH	4—10	10 Each
		Nitrogen	<4, 4-10, 10 -20, 20-40, >50 Kg/ha as N	
		Phosphorous	<25, 25-60, 60 - 80, > 80 Kg/ha as P_2O_5	
		Potassium	0, <125, 125-250, 250-400, >400 Kg/ha as K	
		Organic Carbon	< 0.4 % / 0.4 -0.8 % / > 0.8 % w/v	
13	**AESTK** SOIL TEST KIT (25 Test each)	pH	4—10	25 Each
		Nitrogen	<4, 4-10, 10 -20, 20-40, >50 Kg/ha as N	
		Phosphorous	<25, 25-60, 60 - 80, > 80 Kg/ha as P_2O_5	
		Potassium	0, <125, 125-250, 250-400, >400 Kg/ha as K	
		Organic Carbon	< 0.4 % / 0.4 -0.8 % / > 0.8 % w/v	
14	**AESPK** SWIMMING POOL TEST KIT	Free Chlorine (DPD)	0.1–2.0 PPM (MG/L)	200 Each + 6 Coliform Test
		pH	4 to 10	
		Microbiological Test	Coliform Bacteria Presence / Absence Test	

AQUASOL INDICATOR PAPER

Indicator Paper Testing have been developed with a mixture of several indicators, which on contact with the sample solution assume a particular color. A check against the color comparision table supplied allows the parameter to be determined. AQUASOL range offers a range of pH indicator and other test papers to meet your specific testing needs. Our AQUASOL Indicator Paper combine ease-of-use with accuracy, consistency and unmatched quality. The convenience of using AQUASOL Indicator Paper for the rapid determination of pH and other parameters has many applications in laboratories and industry.

Features :

- Instant Readings
- Economical Pack Size
- In Kangaroo Pack
- Accurate for a Wide Range
- Convenient and Portable
- Advance Paper with Long Life



Sr	Product Code	Product Description	Each Pack Contains
1	AIPPH01	INDICATOR PAPER UNIVERSAL -pH 1.0-14.0	10 Booklet of 20 Strips
2	AIPPH02	INDICATOR PAPER WIDE RANGE - pH 2.0-10.5	10 Booklet of 20 Strips
3	AIPPH03	INDICATOR PAPER NARROW RANGE- pH 2.0-4.5	10 Booklet of 20 Strips
4	AIPPH04	INDICATOR PAPER NARROW RANGE-pH 3.5-6.0	10 Booklet of 20 Strips
5	AIPPH06	INDICATOR PAPER NARROW RANGE-pH 5.0-7.5	10 Booklet of 20 Strips
6	AIPPH07	INDICATOR PAPER NARROW RANGE-pH 6.5-9.0	10 Booklet of 20 Strips
7	AIPPH08	INDICATOR PAPER NARROW RANGE- pH 8.0-10.5	10 Booklet of 20 Strips
8	AIPBTB	INDICATOR PAPER BTB (BROMO THYMOL BLUE)	10 Booklet of 20 Strips
9	AIPCL	INDICATOR PAPER CHLORINE TEST (5 - 100 PPM)	10 Booklet of 20 Strips
10	AIPCR	INDICATOR PAPER CONGO RED	10 Booklet of 20 Strips
11	AIPBY	INDICATOR PAPER BRILLIANT YELLOW	10 Booklet of 20 Strips
12	AIPLB	INDICATOR PAPER LITMUS BLUE	10 Booklet of 20 Strips
13	AIPLR	INDICATOR PAPER LITMUS RED	10 Booklet of 20 Strips
14	AIPPE	INDICATOR PAPER PHENOLPHTHALEIN	10 Booklet of 20 Strips
15	AIPSI	INDICATOR PAPER STARCH IODIDE	10 Booklet of 20 Strips
16	AIPTH	INDICATOR PAPER THYMOLPHTHALEIN	10 Booklet of 20 Strips

NOTE: Product Supplied in Multiples of 5 Packs only.

Our Clients


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Balrampur Chini Mills Ltd.
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CENTURY
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Caring for life
CUMI
DOMS
DUCOL
ESSAR
STEEL
EMERSON
Climate Technologies
FUCHS
THE LEELA
GNFC
GeM
Godrej
ADITYA BIRLA
TAJ
HITACHI
Inspire the Next
HYATT
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Our Network



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ISO 9001:2015 Certified Company

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