

## TLC adsorbents and accessories



If you would like to coat TLC plates yourself, we offer suitable adsorbents for thin layer chromatography. In addition to our ready-to-use layers in TLC and HPTLC, the product range also includes accessories.

### Accessories for TLC

Cat NO.	Type	Diameter MM	Pack size	HS code	GST	Price (₹)
<a href="#">816710.01</a>	Fluorescent indicators for TLC, UV254, green fluorescence	1x 100 g adsorbent in glass container	100 g	29319000	12%	13690
<a href="#">814018</a>	TLC developing chamber for use with 2 simultaneous separations	10x10	1	90279090	18%	31490
<a href="#">814019</a>	TLC developing chamber for use with 5 simultaneous separations	20 x 20	1	90279090	18%	69590
<a href="#">814021</a>	Development chamber (jar shaped)	Up to 4x8 cm	4	90279090	18%	8690
<a href="#">814022</a>	Glass capillaries, 1 µl	3x50 Glass capillaries, 1 µL	3	70179000	18%	16690
<a href="#">814023</a>	Spotting guides	2x Spotting guides	2	90279090	18%	5890
<a href="#">814024</a>	Measuring Cylinders (glass)	2x Measuring cylinders, glass	2	70179000	18%	5890
<a href="#">814030</a>	Chromatography paper MN 260	7.5 x 17	100	48232000	18%	7690

Cat NO.	Type	Diameter MM	Pack size	HS code	GST	Price (₹)
814101	Laboratory reagent sprayer, glass with rubber bulb	1x		70179000	18%	27990
814102	Rubber caps for capillaries	2x Rubber caps	2	40091200	18%	3790
814103	Filter paper sheets MN 713	15 x 21 cm	100	48232000	18%	5890
814104	Plastic Syringe content: 1 mL, with graduation	1x Plastic syringe	1 Piece	90183110	18%	3790
818666	MN ALUGRAM scissors grounded blade, black handle	1x ALUGRAM scissors	1	82130000	12%	5490
TLCSB	TLC/Reagent Sprayer Bottle	1 Piece with Bottle	1	38220090	18%	2400

## Vials and caps for analysis and for sample storage



Our portfolio contains autosampler vials and caps for HPLC and GC for all common instrument manufacturers, such as Waters, Agilent, Shimadzu and others. It is completed by lab accessories, like vial containers and racks or crimpers / decappers. Storage vials for liquid or powdery samples are available as well.

### Crimp neck vials and caps N 20



Our autosampler vials are made from 1st hydrolytic class glass under strict hygienic conditions. Find your vial of interest by filtering our delivery program by parameters like volume, dimensions, material (clear / amber glass, plastic), vial type (screw, crimp, snap, etc.) and other selection criteria.

Cat NO.	Type	Diameter MM	Pack size	HS code	GST	Price (₹)
<a href="#">70204.36</a>	N20 HEADSPACE CRIMP NECK VIAL	5 ml	100	70179090	18%	4490
<a href="#">70205.36</a>	N20 HEADSPACE CRIMP NECK VIAL	10 ml	100	70179090	18%	4790
<a href="#">70210.36</a>	N20 HEADSPACE CRIMP NECK VIAL	25 ml	100	70179090	18%	9890
<a href="#">70208.36</a>	N20 HEADSPACE CRIMP NECK VIAL	50 ml	100	70179090	18%	12490
<a href="#">70209.1</a>	N 20 HEADSPACE CRIMP NECK VIAL	100 ml	60	70179090	18%	8190

## Closures, caps and septa



Ready assembled or bonded closures with septa of high analytical purity are offered in different cap types (crimp / screw / snap) and sizes. You can choose between various liner materials with different physical and chemical properties.

Cat NO.	Type	Diameter MM	Pack size	HS code	GST	Price (₹)
<a href="#">702093</a>	N 20 ALUMINIUM CRIMP CAP, SILVER CENTRE HOLE	N 20	100	83099090	18%	8090
<a href="#">702114</a>	N 15 PP screw cap (bonded, 15-425), white, closed top Silicone white/PTFE blue	N 15	100	39235090	18%	4090

## Sample filtration

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CHROMAFIL filtration products avoid contamination of sensitive instrumentation and increase the lifetime of columns and equipment. We offer different membranes (e.g., PTFE, RC, nylon) in syringe filters, filter cartridges and filter 96well plates for rapid purification and removal of particles.

# CHROMAFIL - Syringe filters



CHROMAFIL and CHROMAFIL Xtra syringe filters increase the lifetime of columns and equipment by removal of solid particles. Different membranes (e.g., PTFE, RC, nylon) and pore sizes are used for rapid purification of your samples.

## CHROMAFIL Xtra PA membrane material : polyamide (Nylon)

- Moderately hydrophilic membrane
- For aqueous and organic / aqueous medium polar liquids
- PA filters with integrated glass fiber prefilter\* (GF / PA) are recommended for solutions with a high load of particulate matter or for highly viscous solutions



Syringe filters, labeled, CHROMAFIL Xtra PA, Inside the syringe filter polyamide is used as membrane material. The rather hydrophilic PA membrane is suitable for filtration of medium polar organic-aqueous liquids.

Cat NO.	Type	Pore size	Membrane	Pack size	HS code	GST	Price (₹)
<a href="#">729212</a>	PA-20/25	0.20 µm	25 mm	100	84212900	18%	17590
<a href="#">729213</a>	PA-45/25	0.20 µm	25 mm	100	84212900	18%	17590
<a href="#">729249</a>	PA-45/13	0.45 µm	13 mm	100	84212900	18%	17590

## CHROMAFIL PA membrane material : polyamide (Nylon)

Syringe filters, color coded, CHROMAFIL PA, Inside the syringe filter polyamide is used as membrane material. The rather hydrophilic PA membrane is for filtration of medium polar organic-aqueous liquids.

Cat NO.	Type	Pore size	Membrane	Pack size	HS code	GST	Price (₹)
<a href="#">729010</a>	AO-20/3	0.20 µm	3 mm	100	84212900	18%	21290
<a href="#">729012</a>	AO-20/25	0.20 µm	25 mm	100	84212900	18%	17590
<a href="#">729049</a>	AO-45/15 MS	0.45 µm	15 mm	100	84212900	18%	17590

## CHROMAFIL Xtra PTFE membrane material: polytetrafluoroethylene

- Hydrophobic membrane
- For nonpolar liquids and gases
- Very resistant to all kinds of solvents as well as acids and bases; flushing with alcohol, followed by water, makes the originally hydrophobic membrane more hydrophilic
- PTFE filters with integrated glass fiber prefilter\* (GF / PTFE) are recommended for solutions with a high load of particulate matter or for highly viscous solutions



Syringe filters, labeled, CHROMAFIL Xtra PTFE, Inside the syringe filter polytetrafluoroethylene is used as membrane material. The hydrophobic PTFE membrane is very resistant towards all kinds of solvents as well as acids and bases. Flushing with alcohol, followed by water, makes the originally hydrophobic membrane more hydrophilic.

Cat NO.	Type	Pore size	Membrane	Pack size	HS code	GST	Price (₹)
<a href="#">729205</a>	PTFE-45/25	0.45 µm	25 mm	100	84212900	18%	17590
<a href="#">729207</a>	PTFE-20/25	0.20 µm	25 mm	100	84212900	18%	17590

## CHROMAFIL PTFE membrane material: polytetrafluoroethylene

Syringe filters, color coded, CHROMAFIL PTFE, Inside the syringe filter polytetrafluoroethylene is used as membrane material. The hydrophobic PTFE membrane is very resistant towards all kinds of solvents as well as acids and bases. Flushing with alcohol, followed by water, makes the originally hydrophobic membrane more hydrophilic.

Cat NO.	Type	Pore size	Membrane	Pack size	HS code	GST	Price (₹)
<a href="#">729007</a>	O-20/25	0.20 µm	25 mm	100	84212900	18%	17590
<a href="#">729008</a>	O-20/15 MS	0.20 µm	15 mm	100	84212900	18%	17590
<a href="#">729009</a>	O-45/15 MS	0.45 µm	15 mm	100	84212900	18%	17590
<a href="#">729015</a>	O-45/3	0.45 µm	3 mm	100	84212900	18%	21290

## CHROMAFIL Xtra MV membrane material: cellulose mixed esters

### Cellulose mixed ester (MV)

- Hydrophilic membrane with very low adsorption
- For aqueous or polar solutions



Syringe filters, labeled, CHROMAFIL Xtra MV, Inside the syringe filter a cellulose mixed ester is used as membrane material. The hydrophilic MV membrane is suitable for aqueous or polar solutions.

Cat NO.	Type	Pore size	Membrane	Pack size	HS code	GST	Price (₹)
<a href="#">729204</a>	MV-45/25	0.45 µm	25 mm	100	84212900	18%	17590

## CHROMAFIL Xtra PET membrane material: polyester



Syringe filters, color coded, CHROMAFIL PET, Inside the syringe filter polyester (polyethylene terephthalate) is used as membrane material. The hydrophilic multipurpose PET membrane is for polar as well as nonpolar solvents. It is the HPLC filter, especially suited for mixtures of water and organic solvents. It is not cytotoxic, does not inhibit the growth of microorganisms and higher cells. All CHROMAFIL filters are autoclavable (121 °C and 1.1 bar for 30 min)!

Cat NO.	Type	Pore size	Membrane	Pack size	HS code	GST	Price (₹)
<a href="#">729221</a>	PET-20/25	0.20 μm	25 mm	100	84212900	18%	17590
<a href="#">729021.400</a>	PET-20/25	0.20 μm	25 mm	400	84212980	12%	49090
<a href="#">729022</a>	PET-20/15	0.20 μm	15 mm	100	84212900	18%	17590
<a href="#">729023</a>	PET-45/15	0.45 μm	15 mm	100	84212900	18%	17590
<a href="#">729220</a>	PET-45/25	0.45 μm	25 mm	100	84212900	18%	17590
<a href="#">729020</a>	PET-45/25	0.45 μm	25 mm	100	84212900	18%	17590

## CHROMAFIL Xtra CA membrane material: cellulose acetate

- Hydrophilic membrane
- For the filtration of water-soluble oligomers and polymers, especially suited for biological macromolecules
- Very high stability in aqueous solutions
- Binding capacity for proteins 21 µg per 25 mm filter
- Also available in a sterile package (S) for filtration under sterile conditions (each filter individually sealed)



Inside the syringe filter polyester (polyethylene terephthalate) is used as membrane material. The hydrophilic multipurpose PET membrane is suitable for polar as well as nonpolar solvents. It is the HPLC filter, especially suited for mixtures of water and organic solvents. It is not cytotoxic, does not inhibit the growth of microorganisms and higher cells. Labeled for method validation and certification. All CHROMAFIL filters are autoclavable (121 °C and 1.1 bar for 30 min)!

Cat NO.	Type	Pore size	Membrane	Pack size	HS code	GST	Price (₹)
<a href="#">729226</a>	CA-20/25	0.20 µm	25 mm	100	84212900	18%	17590
<a href="#">729227</a>	CA-45/25	0.45 µm	25 mm	100	84212900	18%	17590

## CHROMAFIL Sterile filters CA membrane material: cellulose acetate

Syringe filters, sterile, CHROMAFIL CA, Inside the syringe filter cellulose acetate is used as membrane material. The hydrophilic CA membrane is suitable for filtration of water-soluble oligomers and polymers, especially suited for biological macromolecules with very high shape stability in aqueous solutions. Extremely low binding capacity for proteins. In a sterile package (S) for filtration under sterile conditions (each filter is color coded and individually sealed). All CHROMAFIL filters are autoclavable (121 °C and 1.1 bar for 30 min)!

Cat NO.	Type	Pore size	Membrane	Pack size	HS code	GST	Price (₹)
<a href="#">729024</a>	CA-20/25 (S)	0.20 µm	25 mm	50	84212900	18%	13690
<a href="#">729025</a>	CA-45/25 (S)	0.45 µm	25 mm	50	84212900	18%	13690

## CHROMAFIL Xtra PES membrane material: polyether sulfone

- Hydrophilic membrane
- For aqueous and slightly organic liquids with higher flow rates
- Very low adsorption for pharmaceuticals and proteins
- Good stability against organic acids and bases
- Binding capacity for proteins 29 µg per 25 mm filter



Syringe filters, CHROMAFIL Xtra PES, Inside the syringe filter polyethersulfone is used as membrane material. The hydrophilic PES membrane is suitable for aqueous and slightly organic liquids. This filter shows a good stability against acids and bases as well as a very low adsorption for pharmaceuticals and proteins. Labeled for method validation and certification. All CHROMAFIL filters are autoclavable (121 °C and 1.1 bar for 30 min)!

Cat NO.	Type	Pore size	Membrane	Pack size	HS code	GST	Price (₹)
<a href="#">729240</a>	PES-20/25	0.20 µm	25 mm	100	84212900	18%	17590
<a href="#">729241</a>	PES-45/25	0.45 µm	25 mm	100	84212900	18%	17590
<a href="#">729242</a>	PES-500/25	5.0 µm	25 mm	100	84212900	18%	17590

## CHROMAFIL Xtra GF membrane material: glass fibre

### Glass fiber (GF)

- Inert filter, nominal pore size 1 µm, allows higher flow rates than small pore filters
- For solutions with high loads of particulate matter or for highly viscous solutions (e.g. soil samples, fermentation broths)
- As prefilters for other CHROMAFIL® filters, they prevent the clogging of the membrane
- High binding capacity for proteins



Syringe filters, color coded, CHROMAFIL GF, Inside the syringe filter a glass fiber is used as membrane material. The hydrophilic GF membrane is a inert filter for solutions with high loads of particulate matter or for highly viscous solutions (e.g., soil samples, fermentation broths). The nominal pore size of 1 µm allows higher flow rates than small pore filters. Membrane material is also used as prefilter for CHROMAFIL combi filters, they prevent plugging of the main membrane. All CHROMAFIL filters are autoclavable (121 °C and 1.1 bar for 30 min)!

Cat NO.	Type	Pore size	Membrane	Pack size	HS code	GST	Price (₹)
<a href="#">729028</a>	GF-100/25	1 µm	25 mm	100	84212900	18%	17590
<a href="#">729228</a>	GF-100/25	1 µm	25 mm	100	84212900	18%	17590

## CHROMAFIL Xtra PVDF membrane material: polyvinylidene difluoride

### Polyvinylidene difluoride (PVDF)

- Hydrophilic membrane
- For 100 % aqueous solutions, water-soluble oligomers and polymers like proteins
- Low binding capacity for proteins 20 µg per 25 mm filter
- PVDF filters with integrated glass fiber prefilter\* (GF/PVDF) are recommended for the filtration of biological samples with high particle loads



Syringe filters, CHROMAFIL Xtra PVDF, Inside the syringe filter polyvinylidene difluoride is used as membrane material. The hydrophilic PVDF membrane is suitable for filtration of 100 % aqueous samples, water-soluble oligomers and polymers like proteins. Extremely low binding capacity for proteins. Labeled for method validation and certification. All CHROMAFIL filters are autoclavable (121 °C and 1.1 bar for 30 min)!

Cat NO.	Type	Pore size	Membrane	Pack size	HS code	GST	Price (₹)
<a href="#">729218</a>	PVDF-20/25	0.20 µm	25 mm	100	84212900	18%	17590
<a href="#">729219</a>	PVDF-45/25	0.45 µm	25 mm	100	84212900	18%	17590
<a href="#">729244</a>	PVDF-45/13	0.45 µm	13 mm	100	84212900	18%	17590

## CHROMAFIL PVDF membrane material: glass fibre/polyvinylidene difluoride

Syringe filters (combi), CHROMAFIL GF / PVDF, Combi syringe filters are recommended for solutions with a high load of particulate matter or for highly viscous solutions. These products combine a coarse glass fiber prefilter and a small-pore polyvinylidene difluoride membrane as main filter. The hydrophilic PVDF membrane is for 100 % aqueous samples, water-soluble oligomers and polymers like proteins. All CHROMAFIL filters are autoclavable (121 °C and 1.1 bar for 30 min)!

Cat NO.	Type	Pore size	Membrane	Pack size	HS code	GST	Price (₹)
<a href="#">729039</a>	GF/PVDF-45/25	1.0/0.45 µm	25 mm	100	84212900	18%	22090

## CHROMAFIL Xtra RC membrane material: regenerated cellulose

- Hydrophilic membrane with very low adsorption
- For aqueous and organic / aqueous liquids, i.e. polar and medium polar sample solutions
- Binding capacity for proteins 84 µg per 25 mm filter
- RC filters with integrated glass fiber prefilter\* (GF / RC) are recommended for solutions with a high load of particulate matter or for highly viscous solutions



Syringe filters, CHROMAFIL Xtra RC, Inside the syringe filter a regenerated cellulose is used as membrane material. The hydrophilic RC membrane is suitable for aqueous and organic – aqueous liquids, i.e. polar and medium polar sample solutions and shows a low binding capacity for proteins. Labeled for method validation and certification. All CHROMAFIL filters are autoclavable (121 °C and 1.1 bar for 30 min)!

Cat NO.	Type	Pore size	Membrane	Pack size	HS code	GST	Price (₹)
<a href="#">729230</a>	RC-20/25	0.20 µm	25 mm	100	84212900	18%	20090
<a href="#">729231</a>	RC-45/25	0.45 µm	25 mm	100	84212900	18%	20090

## CHROMAFIL RC membrane material: regenerated cellulose

Syringe filters, color coded, CHROMAFIL RC, Inside the syringe filter a regenerated cellulose is used as membrane material. The hydrophilic RC membrane is suitable for aqueous and organic – aqueous liquids, i.e. polar and medium polar sample solutions and shows a low binding capacity for proteins. All CHROMAFIL filters are autoclavable (121 °C and 1.1 bar for 30 min)!

Cat NO.	Type	Pore size	Membrane	Pack size	HS code	GST	Price (₹)
<a href="#">729031</a>	RC-45/25	0.45 µm	25 mm	100	84212900	18%	20090
<a href="#">729236</a>	RC-20/13	0.20 µm	13 mm	100	84212900	18%	20090

# Rapid Tests

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Our test papers allow identification or semi-quantitative determination of more than 40 different substances. They give rapid results and are easy to use for an accurate on-site analysis.

## pH-tests



For many years untrained users as well as analytical professionals appreciate the experience of easy pH testing with pHFix. In contrast to common indicator papers, the indicator dyes in pHFix test strips are chemically bound to the test pads. This patented technology prevents bleeding of the dyes and therefore a contamination of the sample, even in highly alkaline solutions. The fixation enables the strips to remain in solution over extended periods of time allowing a safe pH determination even in weakly buffered solutions.

### pH indicator papers- (non-bleeding)



According to a comparative study, our MACHEREY-NAGEL pH-Fix 0-14 test strips performed as the best! In various tests our strips delivered the most reliable pH values and the best marks in usability compared to the competitor product.

Cat NO.	Test	Measuring Range	Pack size	HS code	GST	Price (₹)
<a href="#">92110</a>	pH test strips	pH - 0-14	100 strips	38220090	12%	2490
<a href="#">92115</a>	pH test strips	pH - 0-6	100 sticks	38220090	12%	2490
<a href="#">92118</a>	pH test strips	pH - 2.0-9.0	100 sticks	38220090	12%	2490

Cat NO.	Test	Measuring Range	Pack size	HS code	GST	Price (₹)
<a href="#">92120</a>	pH test strips	pH - 4.5-10.0	100 sticks	38220090	12%	2490
<a href="#">92122</a>	pH test strips	pH - 6.0-10.0	100 sticks	38220090	12%	2490
<a href="#">92125</a>	pH test strips	pH - 7.0-14.0	100 sticks	38220090	12%	2490
<a href="#">92130</a>	pH test strips	pH - 3.6-6.1	100 sticks	38220090	12%	2490
<a href="#">92135</a>	pH test strips	pH - 3.1-8.3	100 sticks	38220090	12%	2490
<a href="#">92140</a>	pH test strips	pH - 5.1-7.2	100 sticks	38220090	12%	2490
<a href="#">92150</a>	pH test strips	pH - 6.0-7.7	100 sticks	38220090	12%	2490
<a href="#">92160</a>	pH test strips	pH - 7.5-9.5	100 sticks	38220090	12%	2490
<a href="#">92170</a>	pH test strips	pH - 7.9-9.8	100 sticks	38220090	12%	2490
<a href="#">92180</a>	pH test strips	pH - 0.3-2.3	100 sticks	38220090	12%	2490
<a href="#">92190</a>	pH test strips	pH - 1.7-3.8	100 sticks	38220090	12%	2490

## pH indicator papers- (non-bleeding) with plop top tube



pH-Fix strips with chemically bound indicators are the bench mark for pH testing with test strips. The fixation prevents bleeding and therefore contamination of the sample.

Cat NO.	Test	Measuring Range	Pack size	HS code	GST	Price (₹)
<a href="#">92111</a>	pH-Fix PT	pH - 0-14	100 sticks	38220090	12%	2490
<a href="#">92121</a>	pH-Fix PT	pH - 4.5-10.0	100 sticks	38220090	12%	2490
<a href="#">92131</a>	pH-Fix PT	pH - 3.6-6.1 PT	100 sticks	38220090	12%	2490

## PEHANON - pH measurement in colored samples



PEHANON test strips unify pH indicator and reference color chart in one strip. Any sample color has the same effect on both, the reference colors and the reactive pad, allowing unadulterated pH reading even in colored solutions.

Cat NO.	Test	Measuring Range	Pack size	HS code	GST	Price (₹)
<a href="#">90401</a>	PEHANON 1-12	pH 1-12	200 strips	38220090	12%	3290
<a href="#">90411</a>	PEHANON 0-1.8	pH 0 - 1.8	200 strips	38220090	12%	2890
<a href="#">90412</a>	PEHANON 1-2.8	pH 1 - 2.8	200 strips	38220090	12%	2890
<a href="#">90413</a>	PEHANON 1.8-3.8	pH 1.8 - 3.8	200 strips	38220090	12%	2890
<a href="#">90414</a>	PEHANON 2.8-4.6	pH 2.8 - 4.6	200 strips	38220090	12%	2890
<a href="#">90415</a>	PEHANON 3.8-5.5	pH 3.8 - 5.5	200 strips	38220090	12%	2890
<a href="#">90416</a>	PEHANON 5.2-6.8	pH 5.2 - 6.8	200 strips	38220090	12%	2890
<a href="#">90417</a>	PEHANON 6-8.1	pH 6.0 - 8.1	200 strips	38220090	12%	2890
<a href="#">90419</a>	PEHANON 7.2-8.8	pH 7.2 - 8.8	200 strips	38220090	12%	2890
<a href="#">90420</a>	PEHANON 8-9.7	pH 8.0 - 9.7	200 strips	38220090	12%	2890
<a href="#">90421</a>	PEHANON 9.5-12	pH 9.5 - 12.0	200 strips	38220090	12%	2890
<a href="#">90422</a>	PEHANON 10.5-13	pH 10.5 - 13.0	200 strips	38220090	12%	2890
<a href="#">90423</a>	PEHANON 12-14	pH 12.0 - 14.0	200 strips	38220090	12%	2890
<a href="#">90424</a>	PEHANON 4-9	pH 4.0 - 9.0	200 strips	38220090	12%	2890

## Universal indicator papers



pH indicator papers have been available for decades and are the standard for many applications. For each pH value these papers show a single color which can be matched with the color scale at intervals of 0.2–1 pH units. The indicator papers come in plastic reels that ensure long-term stability and protection against many external influences. They will be always ready-to-use when needed. MACHEREY NAGEL also controls the production of the raw papers which ensures – in combination with our ISO 9001 QC system – the high quality of the indicator papers. The colors of the scales are specially mixed to perfectly match the reaction color of the indicator papers. This makes the reading of results easy and accurate.

Cat NO.	Test	Measuring Range	Pack size	HS code	GST	Price (₹)
<a href="#">90201</a>	Universal indicator paper	pH 1-11 reel	5m length x 7mm width	38220090	12%	2090
<a href="#">90202</a>	Universal indicator paper	pH 1-11 reels	refill pack of 3 reels	38220090	12%	3190
<a href="#">90203</a>	Universal indicator paper	pH 1-11 booklet	100 strips 10x70mm	38220090	12%	1890
<a href="#">90204</a>	Universal indicator paper	pH 1-14 reel	5m length x 7mm width	38220090	12%	2090
<a href="#">90205</a>	Universal indicator paper	pH 0.5–5.5 reel	5m length x 7mm width	38220090	12%	2090
<a href="#">90206</a>	Universal indicator paper	pH 3.8–5.8 reel	5m length x 7mm width	38220090	12%	2090
<a href="#">90209</a>	Special indicator paper	pH 5.5–9.0 reel	5m length x 7mm width	38220090	12%	2090
<a href="#">90213</a>	Special indicator paper	pH 9.0–13.0 reel	5m length x 7mm width	38220090	12%	2090
<a href="#">90214</a>	Special indicator paper	pH 12.0–14.0 reel	5m length x 7mm width	38220090	12%	2090

Cat NO.	Test	Measuring Range	Pack size	HS code	GST	Price (₹)
<a href="#">90224</a>	Universal indicator paper	pH 1-14 reels	refill pack of 3 reels	38220090	12%	3190
<a href="#">90225</a>	Special indicator paper	pH 0.5-5.5 reels	refill pack of 3 reels	38220090	12%	3190
<a href="#">90226</a>	Special indicator paper	pH 3.8-5.8 reels	refill pack of 3 reels	38220090	12%	3190
<a href="#">90230</a>	Special indicator paper	pH 6.4-8.0 reels	refill pack of 3 reels	38220090	12%	3190

## Duotest and Tritest – pH papers with multiple indicators



pH papers with multiple indicator zones. By the combination of several indicators on one test paper, a better recognition between different pH values is achieved. This makes the correct pH reading easier. Duotest – two indicator zones for higher accuracy. Duotest indicator papers combine two different indicator zones on a single strip. The zones are separated by a hydrophobic barrier, which effectively prevents mixing of the reaction colors and increases the mechanical stability. Tritest – three indicator zones for highest precision. Tritest indicator paper has three different indicator zones on a single paper. The three zones guarantee optimal color differences and safe determination of in-between values. Tritest indicator paper is available for a pH range from 1-11 and feature 1 pH unit increments. In Tritest L indicator paper, two hydrophobic barriers separate the indicator zones. Even in strongly alkaline solutions, the colors of the zones do not mix.

Cat NO.	Test	Measuring Range	Pack size	HS code	GST	Price (₹)
<a href="#">90301</a>	Duotest	pH 1-12 with two indicator zones, reel	5m length x 10mm width	38220090	12%	2490
<a href="#">90304</a>	Duotest	pH 5.0-8.0 with two indicator zones, reel	5m length x 10mm width	38220090	12%	2490
<a href="#">90305</a>	Duotest	pH 7.0-10.0 with two indicator zones, reel	5m length x 10mm width	38220090	12%	2490
<a href="#">90306</a>	Duotest	pH 9.5-14.0, with two indicator zones reel	5m length x 10mm width	38220090	12%	2490
<a href="#">90311</a>	Duotest	pH 1-12 with two indicator zones, reel	refill pack 5m length x 7mm width	38220090	12%	5390

## Other pH indicators – Without color chart and solutions



Qualitative pH papers without color chart are simple, completely impregnated indicator papers. Unisol indicator solutions are used for pH determination in pure water, surface waters and very dilute acids or bases.

Cat NO.	Test	Measuring Range	Pack size	HS code	GST	Price (₹)
<a href="#">90701</a>	Brilliant yellow paper	pH - 6.7–7.9	200	38220090	12%	4090

# Qualitative test papers

## Simple test papers for qualitative determinations

These test papers come without a color scale. With little effort, the presence of ions and other substances can be detected. The test papers change color when the concentration is above the specified limit of detection.

### Test papers for criminal investigations

Peroxtesmo KM is sensitive to peroxidase and detects blood traces.

Sperm traces can be detected using Phosphatesmo KM which is specific for acidic phosphatase. Both test papers are used in the investigation of crime scenes.

### Test papers for milk analysis

The test paper Peroxtesmo MI allows the easy distinction between raw milk and high temperature milk. It is sensitive for the enzyme lactoperoxidase. In contrast to liquid indicators based on guaiacol, Peroxtesmo MI does not smell and comes without hazardous reagents which is convenient and safe for the user.

Phosphatesmo MI detects alkaline phosphatase in milk and is a rapid and easy indicator for the successful pasteurization of milk.

### Test papers for oil and oil tanks

Oil test paper is recommended for the rapid determination of oil contaminations in water and soil. On contact with oil the paper turns dark blue.

AQUATEC allows the easy and reliable detection of water at the bottom of petrol and fuel oil tanks. It is also suitable to measure the thickness of water layers in oil separators.



Qualitative test papers come without a color scale. With little effort, the presence of ions and other substances can be detected. The test papers change their color when the concentration is above the specified limit of detection.

## Qualitative test papers - Without color chart



Simple test papers for qualitative determinations. These test papers come without a color scale. With little effort, the presence of ions and other substances can be detected. The test papers change color when the concentration is above the specified limit of detection. Test papers for criminal investigations Peroxtesmo KM is sensitive to peroxidase and detects blood traces. Sperm traces can be detected using Phosphatesmo KM which is specific for acidic phosphatase. Both test papers are used in the investigation of crime scenes. Test papers for milk analysis The test paper Peroxtesmo MI allows the easy distinction between raw milk and high temperature milk. It is sensitive for the enzyme lactoperoxidase. In contrast to liquid indicators based on guaiacol, Peroxtesmo MI does not smell and comes without hazardous reagents which is convenient and safe for the user. Phosphatesmo MI detects alkaline phosphatase in milk and is a rapid and easy indicator for the successful pasteurization of milk. Test papers for oil and oil tanks Oil test paper is recommended for the rapid determination of oil contaminations in water and soil. On contact with oil the paper turns dark blue. AQUATEC allows the easy and reliable detection of water at the bottom of petrol and fuel oil tanks. It is also suitable to measure the thickness of water layers in oil separators.

Cat NO.	Test	Measuring Range	Pack size	HS code	GST	Price (₹)
<a href="#">90601</a>	Cuprotesmo sheets	Copper - 0.05µg Cu on surfaces	40 sheets 40x25mm	38220090	12%	8890
<a href="#">90602</a>	Plumbtesmo sheets	Lead - 5 mg/L Pb <sup>2+</sup>	40 sheets 40x25mm	38220090	12%	10590
<a href="#">90603</a>	Chlortesmo test strips	Chlorine - 1 mg/L Cl <sup>-</sup>	200 strips 20x70mm	38220090	12%	8890
<a href="#">90604</a>	Cyantesmo test paper	Cyanide - 0.2 mg/L HCN	5m length, 10mm wide	38220090	12%	8890
<a href="#">90605</a>	Peroxtesmo KM sheets	Blood - Traces of blood (peroxidase)	25 test 15x30mm	38220090	12%	21490
<a href="#">90606</a>	Peroxtesmo KO sheets	Peroxidase - Peroxidase traces	100 test 15x15mm	38220090	12%	14290
<a href="#">90607</a>	Phosphatesmo KM sheets	Sperm - Traces of sperm (acid phosphatase)	25 test 15x30mm	38220090	12%	21490
<a href="#">90608</a>	Saltesmo (halide ions)	Halides - 0 • 0.25 • 0.5 • 1 • 2 • 3 • 4 • 5 g/L NaCl	30 test discs	38220090	12%	13290
<a href="#">90609</a>	Watesmo test paper reel	Water in organic solutions	reel of 5m length, 10mm wide	38220090	12%	7290

Cat NO.	Test	Measuring Range	Pack size	HS code	GST	Price (₹)
<a href="#">90610</a>	Wator sheets	Water - Traces of water	50 sheets 78x40mm	38220090	12%	8290
<a href="#">90611</a>	Nitratesmo test paper	Nitrate and nitrite (NO <sub>3</sub> <sup>-</sup> , NO <sub>2</sub> <sup>-</sup> )	reel 5m length, 10 mm width	38220090	12%	9890
<a href="#">90627</a>	Peroxtesmo MI sheets	Peroxidase in milk	100 test 15x15 mm	38220090	12%	4890
<a href="#">90721</a>	Aluminum/Zirconium test paper	Aluminum-10mg/L Al <sup>3+</sup> , Zirconium-20mg/L Zr <sup>4+</sup>	100 strips 20x70mm	38220090	12%	5290
<a href="#">90722</a>	Ammonium test paper	Ammonium - 10 mg/L NH <sub>4</sub> <sup>+</sup>	200 strips 20x70mm	38220090	12%	8790
<a href="#">90726</a>	Iron test paper	10 mg/L Fe <sup>2+</sup> or Fe <sup>3+</sup>	100 sticks 20x70mm	38220090	12%	5290
<a href="#">90727</a>	Potassium test paper	250 mg/L K <sup>+</sup>	200 strips 20x70mm	38220090	12%	8790
<a href="#">90730</a>	Nickel test paper	10 mg/L Ni <sup>2+</sup>	200 strips 20x70mm	38220090	12%	7190
<a href="#">90732</a>	Silver test paper	20 mg/L Ag <sup>+</sup>	200 strips 20x70mm	38220090	12%	7190
<a href="#">90734</a>	Fluoride Test	0 - 100 mg/L F <sup>-</sup>	30 Test(s)	38220090	12%	13190
<a href="#">90744</a>	Lead acetate paper for Sulfide	5 mg/L S <sup>2-</sup>	reel of 5m length, 7mm width	38220090	12%	2390
<a href="#">90745</a>	Lead acetate paper	5 mg/L S <sup>2-</sup>	refill pack 3 Piece(s)	38220090	12%	2690
<a href="#">90746</a>	Lead acetate paper	5 mg/L S <sup>2-</sup>	100 sticks 10x75mm	38220090	12%	1290
<a href="#">90747</a>	Turmeric paper for Boric acid	100 mg/L HIBOI	200 strips 20x70mm	38220090	12%	4190
<a href="#">90748</a>	Udder test paper for Mastitis	Mastitis	20 Test 140x90mm	38220090	12%	POR
<a href="#">90750</a>	Fluoride test paper	20 mg/L F <sup>-</sup>	200 strips 20x70mm	38220090	12%	7290
<a href="#">90751</a>	Indanthrene yellow paper for Vat dyes		200 strips 20x70mm	38220090	12%	4190
<a href="#">90753</a>	Potassium iodate starch paper	5 mg/L SOI	reel of 5m length, 7mm width	38220090	12%	2590

Cat NO.	Test	Measuring Range	Pack size	HS code	GST	Price (₹)
<a href="#">90756</a>	Potassium iodide starch paper MN816N	Free chorine- 1mg/L Cl <sub>2</sub> , Nitrite-1mg/L NO <sub>2</sub>	100 sticks 10x75mm	38220090	12%	1590
<a href="#">90758</a>	Potassium iodide starch paper MN616T	Free chorine-1mg/L Cl <sub>2</sub> , Nitrite-1mg/L NO <sub>2</sub>	200 strips 20x70mm	38220090	12%	4190
<a href="#">90760</a>	Oil test paper		100 strips 20x70mm	38220090	12%	6890
<a href="#">90762</a>	Arsenic (mercury bromide)	0.5 µg arsenic	200 strips 20x70mm	38220090	12%	7190
<a href="#">90763</a>	Sulfite test paper	10 mg/L Na <sub>2</sub> SO <sub>3</sub>	100 strips 20x70mm	38220090	12%	7190
<a href="#">90765</a>	INDIPRO for Protein	50 µg BSA	60 test 10x85mm	38220090	12%	17290

## Semi - quantitative test strips



Test papers and test strips for semi quantitative analysis are extremely simple to handle. They are based on the principle of "Dip & Read". They are available for a variety of parameters and comply with all requirements of a modern rapid test. The evaluation of these tests is carried out by a comparison with a color scale.

### QUANTOFIX®



QUANTOFIX test strips meet all requirements of a modern rapid test. The reactive pad's color changes depending on concentration of an analyte. Evaluation is usually carried out visually by a comparison of reaction color with a multistage color scale. Some strips can be evaluated automatically on QUANTOFIX Relax reflectometer.

Cat NO.	Test	Measuring Range	Pack size	HS code	GST	Price (₹)
<a href="#">91301</a>	CHEOMATE	3–100 mg/L CrO <sub>4</sub> <sup>2-</sup>	6x95mm for 100 test	38220090	12%	6790
<a href="#">91303</a>	COBALT	0–1000 mg/L Co <sup>2+</sup>	6x95mm for 100 test	38220090	12%	6290
<a href="#">91304</a>	COPPER	10–300 mg/L Cu <sup>+</sup> <sup>2+</sup>	6x95mm for 100 test	38220090	12%	4490
<a href="#">91305</a>	NICKEL	0–1000 mg/L Ni <sup>2+</sup>	6x95mm for 100 test	38220090	12%	5290
<a href="#">91306</a>	SULPHITE	0–1000 mg/L SO <sub>3</sub> <sup>2-</sup>	6x95mm for 100 test	38220090	12%	5290

Cat NO.	Test	Measuring Range	Pack size	HS code	GST	Price (₹)
<a href="#">91307</a>	ALUMINIUM	0-500 mg/L Al <sup>3+</sup>	6x95mm for 100 test	38220090	12%	8690
<a href="#">91309</a>	TIN/100	0-500 mg/L Sn <sup>2+</sup>	6x95mm for 100 test	38220090	12%	7690
<a href="#">91310</a>	ZINC/100	0-100 mg/L Zn <sup>2+</sup>	6x95mm for 100 test	38220090	12%	7990
<a href="#">91311</a>	NITRITE	0-80 mg/L NOI <sup>-</sup>	6x95mm for 100 test	38220090	12%	5290
<a href="#">91312</a>	Peroxide 100	1-100 mg/L HIOI	6x95mm for 100 test	38220090	12%	3390
<a href="#">91313</a>	NITRATE/NITRITE	Nitrate - 10-500 mg/L NOI <sup>-</sup>	6x95mm for 100 test	38220090	12%	5490
<a href="#">91314</a>	ASCORBIC ACID	0-2000 mg/L Vitamin-C	6x95mm for 100 test	38220090	12%	5890
<a href="#">91315</a>	AMMONIUM	0-400 mg/L NH <sub>4</sub> <sup>+</sup>	6x95mm for 100 test	38220090	12%	8890
<a href="#">91316</a>	POTASSIUM	0-1500 mg/L K <sup>+</sup>	6x95mm for 100 test	38220090	12%	8490
<a href="#">91317</a>	Chlorine	0-100 mg/L Cl <sup>-</sup>	6x95mm for 100 test	38220090	12%	10590
<a href="#">91318</a>	Cyanide	0-30 mg/L CN <sup>-</sup>	6x95mm for 100 test	38220090	12%	10590
<a href="#">91319</a>	Peroxide 25	0-25 mg/L HIOI	6x95mm for 100 test	38220090	12%	3390
<a href="#">91320</a>	Phosphate	0-100 mg/L PO <sub>4</sub> <sup>3-</sup>	6x95mm for 100 test	38220090	12%	7990
<a href="#">91321</a>	Chloride	0 - ≥ 3000 mg/L Cl <sup>-</sup>	6x95mm for 100 test	38220090	12%	6390
<a href="#">91322</a>	Nitrite 3000	0 - 3 g/L NOI <sup>-</sup>	6x95mm for 100 test	38220090	12%	5290
<a href="#">91323</a>	CARBONATE ALKALINITY	0 - 25.0 °e	6x95mm for 100 test	38220090	12%	5390
<a href="#">91324</a>	CALCIUM/ 60	0 - 100 mg/L Ca <sup>2+</sup>	6x95mm for 100 test	38220090	12%	10690
<a href="#">91325</a>	MOLYBDATE	0 - 250 mg/L Mo <sup>6+</sup>	6x95mm for 100 test	38220090	12%	11890
<a href="#">91326</a>	Multistick for Aquarium	Carbonate - 0-25.0 °e, pH - 6.4-8.4	6x95mm for 100 test	38220090	12%	7590
<a href="#">91327</a>	MULTISTICK FOR AQUARIANER/25	Carbonate hardness - 0-25 °e, pH-6.4-8.4	6x95mm for 100 test	38220090	12%	3790

Cat NO.	Test	Measuring Range	Pack size	HS code	GST	Price (₹)
<a href="#">91328</a>	FORMALDEHYDE	0-200 mg/L HCHO	6x95mm for 100 test	38220090	12%	9290
<a href="#">91329</a>	Sulfate	< 200 - > 1600 mg/L SO <sub>4</sub> <sup>2-</sup>	6x95mm for 100 test	38220090	12%	5590
<a href="#">91330</a>	TOTAL IRON 1000	0-1000 mg/L Fe <sup>2+</sup> /Fe <sup>3+</sup>	6x95mm for 100 test	38220090	12%	4590
<a href="#">91332</a>	ARSENIC 50	0 - 3.0 mg/L As <sup>3+ 5+</sup>	6x95mm for 100 test	38220090	12%	12390
<a href="#">91333</a>	Peroxide 1000	0 - 1000 mg/L HIO <sub>3</sub>	6x95mm for 100 test	38220090	12%	5090
<a href="#">91334</a>	ARSENIC 10	0 - 0.5 mg/L As <sup>3+ 5+</sup>	6x95mm for 100 test	38220090	12%	12690
<a href="#">91335</a>	EDTA	0 - 400 mg/L EDTA	6x95mm for 100 test	38220090	12%	5290
<a href="#">91336</a>	LUBRICHECK	0-200 mmol/L KOH	6x95mm for 100 test	38220090	12%	6190
<a href="#">91337</a>	QUAT	0 - 1000 mg/L	6x95mm for 100 test	38220090	12%	5090
<a href="#">91338</a>	NITRIT/PH	Nitrite - 0 - 80 mg/L NO <sub>2</sub> <sup>-</sup> , pH - 6.0 - 9.6	6x95mm for 100 test	38220090	12%	6590
<a href="#">91339</a>	Chlorine Sensitive	0.1-10 mg/L Cl <sup>-</sup>	6x95mm for 100 test	38220090	12%	5090
<a href="#">91340</a>	Peracetic acid 50	0-50 mg/L	6x95mm for 100 test	38220090	12%	6390
<a href="#">91341</a>	Peracetic acid 500	0-500 mg/L	6x95mm for 100 test	38220090	12%	6390
<a href="#">91342</a>	Peracetic acid 2000	0-2000 mg/L	6x95mm for 100 test	38220090	12%	6890
<a href="#">91343</a>	GLUTARALDEHYDE	0-2.5 % Glutaraldehyde	6x95mm for 100 test	38220090	12%	7290
<a href="#">91344</a>	TOTAL IRON 100	0-100 mg/L Fe <sup>2+ 3+</sup>	6x95mm for 100 test	38220090	12%	4590
<a href="#">91345</a>	ARSENIC SENSITIVE	0 - 0.5 mg/L As <sup>3+ 5+</sup>	6x95mm for 100 test	38220090	12%	28590
<a href="#">91348</a>	Glucose	0 - 2000 mg/L Glucose	6x95mm for 100 test	38220090	12%	5290
<a href="#">91349</a>	Active oxygen	0 - 4 - 8 - 15 - 25 mg/L KMPS	6x95mm for 100 test	38220090	12%	6190
<a href="#">91357</a>	Chlorine dioxide 3000	0 - 3000 mg/L ClO <sub>2</sub>	6x95mm for 100 test	38220090	12%	5090

Cat NO.	Test	Measuring Range	Pack size	HS code	GST	Price (₹)
913918	Nitrate	0 - 500 mg/L NOI <sup>-</sup>	3 pack of 50 sets	38220090	12%	14990
91351	Nitrate 100	Nitrate-3–100mg/L NOI <sup>-</sup> , Nitrite-0.5–50mg/L NOI <sup>-</sup>	6x95mm for 100 test	38220090	12%	6390
91361	Total Chlorine Sensitive 1	0 • 0.01 • 0.05 • 0.1 • 0.2 • 0.4 • 0.8 mg/L Cl <sup>2</sup>	50 Test(s)	38220090	12%	2790

## Test strip reader – QUANTOFIX Relax



The QUANTOFIX Relax is the ideal device for the objective evaluation of our QUANTOFIX and pH-Fix test strips. It combines the simplicity of test strips with the safety of instrumental analysis and thus the best out of these two worlds. The QUANTOFIX Relax does not require any special strips, but evaluates the normal pH-Fix and QUANTOFIX test strips. Therefore entrance into instrumental analysis is very simple; the same strip can be used for visual and instrumental evaluation.

Cat NO.	Test	Measuring Range	Pack size	HS code	GST	Price (₹)
91346	QUANTOFIX Relax,		1 Piece(s)	90273000	18%	92999

## AQUADUR®



AQUADUR test strips are made for the easy determination of water hardness allowing to optimize the dosing of water softeners. Other specialized semiquantitative test strips for curtain applications are also listed here

Cat NO.	Test	Measuring Range	Pack size	HS code	GST	Price (₹)
91201	AQUADUR® 5–25,	< 54 > 90 > 180 > 270 > 360 > 450 ppm CaCO <sub>3</sub>	100 sticks 6x85mm	38220090	12%	3790
91220	AQUADUR® 4–21,	< 54 > 72 > 126 > 252 > 378 ppm CaCO <sub>3</sub>	100 sticks 6x85mm	38220090	12%	3790
91221	AQUADUR® 5–25, bulk	< 54 > 90 > 180 > 270 > 360 > 450 ppm CaCO <sub>3</sub>	5000 sticks without scale	38220090	12%	78090
91222	AQUADUR® 4–21, bulk	< 54 > 72 > 126 > 252 > 378 ppm CaCO <sub>3</sub>	5000 sticks without scale	38220090	12%	78090
91223	AQUADUR® 5–25,	< 54 > 90 > 180 > 270 > 360 > 450 ppm CaCO <sub>3</sub>	1000 sticks individually sealed	38220090	12%	41390
91224	AQUADUR® 4–21, bulk	< 54 > 72 > 126 > 252 > 378 ppm CaCO <sub>3</sub>	1000 sticks individually sealed	38220090	12%	41390
91239	AQUADUR® 4–14,	< 54 > 72 > 151.2 > 252 ppm CaCO <sub>3</sub>	100 sticks 6x85mm	38220090	12%	5190
91240	AQUADUR® 4–21,	< 54 > 72 > 151.2 > 252 > 378 ppm CaCO <sub>3</sub>	1000 sticks individually sealed	38220090	12%	41390
912902	AQUADUR® 5–25,	< 54 > 90 > 180 > 270 > 360 > 450 ppm CaCO <sub>3</sub>	set of 3 individually sealed pack of 50 sets	38220090	12%	14490
90709	Chlorine Test, reel	Chlorine - 10 - 200 mg/L Cl <sup>-</sup>	5 m length and 10 mm width	38220090	12%	2090
90714	Ammonia Test	0 • 0.5 • 1 • 3 • 6 mg/L NH <sub>4</sub> <sup>+</sup>	25 test strips in a tube	38220090	12%	3790
90736	Ozone Test	< 90 • 90–150 • 150–210 > 210 µg/m <sup>3</sup> O <sub>3</sub>	12 Test(s)	38220090	12%	3490
90741	Ag-Fix for silver in fixing baths	pH - 4 • 8, Silver - 0 • 10 g/L Ag <sup>+</sup>	100 Test(s)	38220090	12%	5290
90759	Swimming pool test 5 in 1		50 Test(s)	38220090	12%	5090

# Water Analysis



All of our tests can be found listed by parameters in the first part of the catalog. So you can directly find the correct test for your needs. In the second part of the catalog we have compiled additional details for each individual test and equipment for you. We are a successful manufacturer of water analysis- and rapid tests for more than 60 years. A continuous development has always been important to us to meet your today's and future needs. If you have further questions or need additional advice, you can contact us at any time. Our friendly team of experts in Dueren and our competent sales team are very happy to be at your service.

# Visual test kits - Colorimetric and titrimetric test kits



Visual test kits can be evaluated by eye, without further equipment. They are divided into colorimetric test kits, which are compared to a color chart, and titrimetric test kits, where the amount of used reagent is related to the measured value. Some tests are also suitable for photometric evaluation.

## VISOCOLOR HE



VISOCOLOR HE test kits are highly sensitive colorimetric and titrimetric tests to determine even the lowest limiting values. The exact dosing of the single reagents as well as the compensation of turbidity and color are the basis for a highly precise analysis. Maximum sensitivity and accuracy are achieved by the use of longer measuring tubes and larger sample volumes. The sensitivity of VISOCOLOR HE is 10 to 100 times higher compared to other VISOCOLOR tests. The visual evaluation of the colorimetric test kits is done with high-quality color comparison disks, which are adjusted to the original color of standard solutions. Refill packs are available as replacement for consumed reagents. Every VISOCOLOR HE test kit is delivered in a robust box with plastic inlay and an easy to understand instruction leaflet.

Cat NO.	Test	Measuring Range	Pack size	HS code	GST	Price (₹)
<a href="#">915004</a>	Chloride CL 500 Titrimetric test kit	5-500 mg/L Cl <sup>-</sup>	300	38220090	12%	12290
<a href="#">915005</a>	Total Hardness H 20 F titration test kit	0.6-25.0 °e / 0.1-3.6 mmol/L Ca <sup>2+</sup>	200	38220090	12%	9890
<a href="#">915006</a>	Acidity AC 7 titration test kit	0.2-7.0 mmol/L H <sup>+</sup>	200	38220090	12%	9890
<a href="#">915007</a>	Alkalinity AL 7 titration test kit	0.2-7.2 mmol/L OH <sup>-</sup>	200	38220090	12%	9890

Cat NO.	Test	Measuring Range	Pack size	HS code	GST	Price (₹)
<a href="#">915009</a>	Oxygen SA 10 titration test kit	0.2-10 mg/L O <sub>2</sub>	100	38220090	12%	16590
<a href="#">915010</a>	Calcium CA 20 titration test kit	0.6-25.0 °e / 0.1-3.6 mmol/L Ca <sup>2+</sup>	200	38220090	12%	9890
<a href="#">915205</a>	Total Hardness H 20 F titration test kit - refill pack	0.6-25.0 °e / 0.1-3.6 mmol/L Ca <sup>2+</sup>	200	38220090	12%	6690
<a href="#">915210</a>	Calcium CA 20 titration test kit - refill	0.6-25.0 °e / 0.1-3.6 mmol/L Ca <sup>2+</sup>	200	38220090	12%	6690
<a href="#">920028</a>	Cyanide highly sensitive test kit	0.002-0.040 mg/L CN	50	38220090	12%	17690
<a href="#">920087</a>	Silicon highly sensitive test kit	0.01-0.30 mg/L Si	120	38220090	12%	17990
<a href="#">920187</a>	Silicon highly sensitive test kit - refill pack	0.01-0.30 mg/L Si	120	38220090	12%	11690
<a href="#">920015</a>	Chlorine, for low concentrations	0.0 - 0.60 mg/L Cl <sup>-</sup>	160	38220090	12%	17990

## VISOCOLOR ALPHA



VISOCOLOR alpha is the most simple version of colorimetric and titrimetric test kits. These tests are suitable for visual evaluation only and are very convenient in performance, because of multicomponent reagents. Therefore, test kits are limited in precision and accuracy but represent an inexpensive method for screening tests.

Cat NO.	Test	Measuring Range	Pack size	HS code	GST	Price (₹)
<a href="#">935065</a>	VISOCOLOR alpha Nitrate	2•8•15•30•50 mg/L NO <sub>3</sub> <sup>-</sup>	100	38220090	12%	POR
<a href="#">935066</a>	VISOCOLOR alpha Nitrite	0.05•0.10•0.25•0.5•1.0 mg/L NO <sub>2</sub> <sup>-</sup>	200	38220090	12%	POR
<a href="#">935079</a>	VISOCOLOR alpha Phosphate	2•5•10•15•20 mg/L PO <sub>4</sub> <sup>3-</sup>	70	38220090	12%	POR

## VISOCOLOR ECO



VISOCOLOR ECO presents a product group of colorimetric and titrimetric test kits, which allow even the determination of low limiting values with sufficient accuracy. The high sensitivity and accuracy is accomplished by single reagents which can be dosed precisely and by the possibility to compensate turbidity and color of water samples. The results are evaluated visually with high-quality color comparison cards, which are adjusted to the original colors of standard solutions. In addition, there is the possibility to evaluate most VISOCOLOR ECO tests also photometrically with the compact photometers PF-3 and PF-12Plus. This enables a quantitative evaluation of the test kit. Budget-priced refill packs are available for photometric evaluation as well as for replacement of consumed chemicals. All VISOCOLOR ECO test kits are delivered in a practical cardboard box with plastic inlay and easy to understand instruction manual. In addition, practical pictogram instructions are available for every test kit.

Cat NO.	Test	Measuring Range	Pack size	HS code	GST	Price (₹)
<a href="#">931221</a>	Chlorine dioxide colorimetric test kit - refill pack	0.2-3.8 mg/L ClO <sub>2</sub>	150	38220090	12%	9790
<a href="#">931225</a>	Iron 1 colorimetric test kit - refill pack	0.04-1.0 mg/L Fe	200	38220090	12%	9790
<a href="#">931238</a>	Manganese colorimetric test kit - refill pack	0.1-1.5 mg/L Mn	70	38220090	12%	8590
<a href="#">931241</a>	Nitrate colorimetric test kit - refill pack	1-120 mg/L NO <sub>3</sub>	110	38220090	12%	4590
<a href="#">931292</a>	Sulfate colorimetric test kit - refill pack	25-200 mg/L SO <sub>4</sub> <sup>2-</sup>	100	38220090	12%	7190
<a href="#">931298</a>	Zinc colorimetric test kit - refill pack	0.5-3 mg/L Zn <sup>2+</sup>	120	38220090	12%	7690
<a href="#">931010</a>	Ammonium 15, Colorimetric test kit	0.5-8.0 mg/L NH <sub>4</sub> <sup>+</sup>	50	38220090	12%	11090
<a href="#">931016</a>	Chlorine 2 free colorimetric test kit	0.10-2.00 mg/L Cl <sup>-</sup>	150	38220090	12%	9790
<a href="#">931018</a>	Chloride Colorimetric test kit	1-50 mg/L Cl <sup>-</sup>	90	38220090	12%	11190
<a href="#">931020</a>	Chromium (VI) Colorimetric test kit	0.02-0.50 mg/L Cr(VI)	140	38220090	12%	11390

Cat NO.	Test	Measuring Range	Pack size	HS code	GST	Price (₹)
<a href="#">931022</a>	Cyanide Colorimetric test kit	0.01–0.20 mg/L CN <sup>-</sup>	100	38220090	12%	12990
<a href="#">931025</a>	Iron 1 Colorimetric test kit	0.04–2.00 mg/L Fe	200	38220090	12%	12390
<a href="#">931029</a>	Total hardness Titrimetric test kit	1 drop corresponds to 1.25 °e	110	38220090	12%	8890
<a href="#">931030</a>	Hydrazine Colorimetric test kit	0.05–0.40 mg/L NIHI	130	38220090	12%	14490
<a href="#">931032</a>	Potassium Colorimetric test kit	2–25 mg/L K <sup>+</sup>	60	38220090	12%	19390
<a href="#">931033</a>	Silica Colorimetric test kit	0.2–3.0 mg/L SiO <sub>2</sub>	80	38220090	12%	11590
<a href="#">931037</a>	Copper Colorimetric test kit	0.1–5.0 mg/L Cu <sup>2+</sup>	100	38220090	12%	10890
<a href="#">931038</a>	Manganese Colorimetric test kit	0.1–5.0 mg/L Mn	70	38220090	12%	11990
<a href="#">931040</a>	Nickel Colorimetric test kit	0.04–5.00 mg/L Ni <sup>2+</sup>	150	38220090	12%	14590
<a href="#">931041</a>	Nitrate Colorimetric test kit	4–60 mg/L NO <sub>3</sub> <sup>-</sup>	110	38220090	12%	9390
<a href="#">931044</a>	Nitrite Colorimetric test kit	0.02–0.50 mg/L NO <sub>2</sub> <sup>-</sup>	120	38220090	12%	9590
<a href="#">931088</a>	Oxygen Colorimetric test kit	1–8 mg/L O <sub>2</sub>	50	38220090	12%	11890
<a href="#">931092</a>	Sulfate Colorimetric test kit	20–200 mg/L SO <sub>4</sub> <sup>2-</sup>	100	38220090	12%	13690
<a href="#">931094</a>	Sulfide Colorimetric test kit	0.05–0.80 mg/L S <sup>2-</sup>	90	38220090	12%	11690
<a href="#">931095</a>	Sulfite Titrimetric test kit	1 drop corresponds to 1 mg/L SO <sub>3</sub> <sup>2-</sup>	60	38220090	12%	9590
<a href="#">931098</a>	Zinc Colorimetric test kit	0.1–3.0 mg/L Zn <sup>2+</sup>	120	38220090	12%	11390
<a href="#">931218</a>	Chloride Colorimetric test kit, refill pack	1–50 mg/L Cl <sup>-</sup>	90	38220090	12%	7690
<a href="#">931219</a>	Free chlorine 6 Colorimetric test kit, refill pack	0.05–6.00 mg/L Cl <sup>2-</sup>	400	38220090	12%	9390
<a href="#">931929</a>	Additive reagent Z-1		30 mL	38220090	12%	3190

## **VISOCOLOR accessories**



VISOCOLOR test kits from MACHEREYNAGEL are ideally suited for the fast and easy water analysis. Besides the test kits, MACHEREYNAGEL offers a broad range of accessories for VISOCOLOR tests.

<b>Cat NO.</b>	<b>Test</b>	<b>Measuring Range</b>	<b>Pack size</b>	<b>HS code</b>	<b>GST</b>	<b>Price (₹)</b>
<a href="#">915405</a>	Titration syringe for VISOCOLOR HE Total Hardness H20 F		1 syringe	90183190	12%	2390