

## Safe and effective water treatment

### Pollutants We Treat Effectively

This page details all the specific pollutants that we have removed from water. It is not an exhaustive list and is being updated continually. It should give you an idea of whether we can remove the pollutant in your water, but if you don't see the one you are interested in then get in touch.

#### Agrochemical

Pollutant	Category	Removal rate/final level
Atrazine	Herbicide	To 0.001 µg/L
Clomazone	Herbicide	To below 0.003 µg/L
Diuron	Weed killer	To below 0.003 µg/L
Ethoprophos	Insecticide	To below 0.003 µg/L
Fluazifop-Butyl	Herbicide	To 0.001 µg/L
Lindane	Insecticide	To 0.00099 µg/L
MCPA	Herbicide	94%
Mecoprop	Weed killer	To 0.005 µg/L
Metalaxyl	Fungicide	To 0.02 µg/L
Metazachlor	Weed killer	90.50%
Oxadixyl	Fungicide	To 0.005 µg/L
Pirimiphos-Ethyl	Insecticide	To 0.001 µg/L
Terbutryn	Herbicide	To 0.001 µg/L

#### Chemical

Pollutant	Category	Removal rate/final level
5-Methyl-1h-Benzotriazole	Corrosion inhibitor	>99%
Benzene	Solvent	91% (BTEX)
Benzo-a-pyrene	Dyes	To 0.0001 µg/L
Bisoprolol	Corrosion inhibitor	99%
Ethylbenzene	Solvent	95%
Fluoranthene	Lab research	To 0.0004 µg/L
Hexabromocyclododecane	Thermal insulation	87% to 0.001 µg/L
O-Xylene	Coatings	To 0.3 mg/L
P-xylene	Intermediate	>95%
Pyrazole	Corrosion inhibitor	>99%
Toluene	Solvent	91% (BTEX)
Tolyltriazole	Corrosion inhibitor	>84%

#### Food and Beverage

Pollutant	Category	Removal rate/final level
Acesulfame K	Sweetener	To 0.07 µg/L
Aspartame	Sweetener	99.90%

#### Personal Care

Pollutant	Category	Removal rate/final level
Cetylpyridinium Chloride	Toothpaste	92% to 16 mg/L
Phenol	Throat spray	To 0.5 mg/L

## Pharmaceutical

Pollutant	Category	Removal rate/final level
17 $\alpha$ -Ethinylloestradiol	Birth control	92%
17 $\beta$ Oestradiol	Hormone therapy	73%
Acetyl Sulfamethoxazole	Antibiotic	Below LOD
Amisulpride	Antipsychotic	97%
Amoxicillin	Antibiotic	79% to 1.1 $\mu\text{g/L}$
Azithromycin	Antibiotic	83% to 0.03 $\mu\text{g/L}$
Benzotriazole	Cardiovascular medication	To 0.75 $\mu\text{g/L}$
Caffeine	Medication	87% to 0.01114 $\mu\text{g/L}$
Candesartan	Cardiovascular medication	98-99%
Ciprofloxacin	Antibiotic	90% to 0.03 $\mu\text{g/L}$
Citalopram	Antidepressant	96%
Clarithromycin	Antibiotic	96%
Diclofenac	Anti inflammatory	To 0.04 $\mu\text{g/L}$
Erythromycin	Antibiotic	To 0.09 $\mu\text{g/L}$
Ethinylloestradiol	Birth control	92%
Fluoxetine	Antidepressant	To 0.0046 $\mu\text{g/L}$
Hydrochlorothiazide	Blood pressure medication	To 0.03 $\mu\text{g/L}$
Iomeprol	Diagnostic substance	To 0.05 $\mu\text{g/L}$
Iopromide	Diagnostic substance	99%
Irbesartan	Blood pressure medication	To 0.02 $\mu\text{g/L}$
Lidocaine	Nerve blocker	99%
Lincomycin	Antibiotic	99%
Losartan	Blood pressure medication	99%
Metoprolol	Blood pressure medication	99%
Nicotine	Stimulant	>99%
Nonylphenol Diethoxylate	Antioxidants	To 0.02 $\mu\text{g/L}$
Nonylphenol Ethoxylate	Antioxidants	>99%
Nonylphenol Monoethoxylate	Antioxidants	To 0.01 $\mu\text{g/L}$
Norsertaline	Antidepressant	To 0.0042 $\mu\text{g/L}$
Octylphenol Ethoxylate	Medication	>99%
Oestradiol	Hormone therapy	92%
Oestrone	Hormone therapy	92%
Ortho-Hydroxy Atorvastatin	Cardiovascular medication	To 0.02 $\mu\text{g/L}$
Oxazepam	Antianxiety	99%
Para-Hydroxy Atorvastatin	Cardiovascular medication	To 0.02 $\mu\text{g/L}$
Phenazone	Anti inflammatory	88% to 0.00041 $\mu\text{g/L}$
Propranolol	Blood pressure medication	99%
Ranitidine	Stomach medication	94%
Sertraline	Antidepressant	91% to 0.004 $\mu\text{g/L}$
Sotalol	Cardiovascular medication	99%
Sulfamethoxazole	Antibiotic	To 0.02 $\mu\text{g/L}$
Temazepam	Sleep medication	86% to 0.29 $\text{ng/L}$
Theophylline	Respiratory medication	99%
Triclosan	Antibacterial	To 0.01 $\mu\text{g/L}$
Trimethoprim	Antibiotic	To 0.012 $\mu\text{g/L}$
Triton X-100	Surfactant	>99%
Venlafaxine	Antidepressant	98%



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These are just a sample of the pollutants we can treat. To speak to a chemical engineer who understands the science of your industry and will be able to offer a solution specific to your company's water treatment challenges. Call us on +44 1928 515310 or email us at [info@arviatechnology.com](mailto:info@arviatechnology.com) today.

