

What major contaminants can ALKA4 remove?

Major Tap Water Contaminants			
Contaminant	Average Influent Concentration (mg/L)	Average Effluent Concentration (mg/L)	Average Percent Reduction
Arsenic	0.28	0.0035	98.70
Barium	10.2	0.207	97.90
Cadmium	0.036	0.0005	98.60
Chromium (Hexavalent)	0.15	0.013	91.30
Chromium (Trivalent)	0.17	0.01	94.10
Copper	3.1	0.03	99.00
Cysts	149357 #/ml	5 #/ml	99.99
Turbidity	10.2	0.26	97.50
Fluoride	8	0.5	93.90
Lead	0.15	0.002	98.60
Radium 226/228	25 pCi/L	5 pCi/L	80.00
Selenium	0.1	0.008	92.00

Other TDS contaminants reduced by up to 98%: Aluminum, Ammonium, Bicarbonate, Calcium, Chlorine, Chromate, Cyanide, Ferro cyanide, Iron, Magnesium, Mercury, Manganese, Phosphate, Silicate, Silver, Sodium, Strontium, Sulfate, Sulfite, Thiosulfate, Zinc.

Note: Your results may vary depending on regular maintenance, general condition of unit, and initial water supply. Home Master is not designed to treat microbially unsafe or non-potable water.

Additional List of chemical contaminants removed by ALKA4 filtration

Chemicals

Acetaldehyde
Acetic Acid
Acetone
Alcohols
Amines
Amyl Acetate
Amyl Alcohol
Antifreeze
Benzene
Bleach
Butyl Alcohol
Butyl Acetate
Calcium Hypochlorite
Chloral
Chloamine
Chloroform
Chlorine
Chlorobenzene
Chlorophenol
Chlorophyll
Citric Acid
Cresol
Defoilants
Detergents
Diesel Fuel
Dyes
Ethyl Acetate
Ethyl Acrylate
Ethyl Alcohol
Ethyl Amine
Ethyl Chlorine
Ethyl Ether
Gasoline
Glycols
Herbicides
Hydrogen Peroxide
Hydrogen Selenide
Hydrogen Sulfide
Hypochlorous Acid
Insecticides
Iodine
Isopropyl Acetate
Isopropyl Alcohol
Ketones
Lactic Acid

Organic Contaminants

2,4,5-TP
2,4-D
Acrylamide
Adipates (diethylhexyl)
Alachlor
Aldicarb
Aldicarb Sulfone
Aldicarb Sulfoxide
Atazine
Benz(a)anthracene (PAH)
Benzene
Benzo(a)pyrene (PAH)
Benzo(b)fluoranthene (PAH)
Benzo(k) fluoranthene (PAH)
Bromodichloromethane
Bromoform
Butyl benzyl phthalate (PAE)
Carbofuran
Carbon Tetrachloride
Chlordane
Chloroform
Chrysene (PAH)
Dalapon
Dibenz(a,h) anthracene (PAH)
Dibromochloromethane
Dibromochloropropane (DBCP)
Dichlorobenzene (o-,m-)
Dichlorobenzene (para-)
Dichloroethane (1,2-)
Dichloroethylene (1,1-)
Dichloroethylene (cis-1,2-)
Dichloroethylene (trans-1,2-)
Dichloromethane (methylene chloride)
Dichloropropane (1,2-)
Diethylhexyl phthalate (PAE)
Dinoseb
Diquat
Endothall
Endrin
Epichlorohydrin
Ethylbenzene
Ethylene dibromide (EDB)
Glyphosate
Heptachlor
Heptachlor epoxide
Hexachlorobeneze

Mercaptans	Hexachlorocyclopentadiene
Methyl Acetate	Indeno (1,2,3-c,d) pyrene (PAH)
Methyl Alcohol	Lindane
Methyl Bromide	Methoxychlor
Methyl Chloride	Monochlorobenzene
Methyl Ethyl Ketone	Oxamyl (vydate)
Naphtha	Pentachlorophenol
Nitric Acid	Picloram
Nitrobenzene	Polychlorinated byphenyls (PCBS)
Nitrotoluene	Simazine
Odors (general)	Styrene
Oil Dissolved	Tetrachloroethylene
Organic Acids	Toluene
Organic Esters	Toxaphene
Organic Salts	Trichlorobenzne (1,2,4)
Oxalic Acids	Trichloroethane (1,1,1-)
PCB?s	Trichloroethylene
Perchlorate	Trichloroethylene (1,1,2-)
Pesticides	Trihalomethanes (THMs)
Phenol	Vinyl Chloride
Plastic Taste	Xylene (total)
Propioic Acids	2,3,7,8-
Propionaldehyde	
Propyl Acetate	
Propyl Acid	
Propyl Chloride	
Rubber Hose Taste	
Soap	
Sodium Hydrochorite	
Solvents	
Sulphonated Oils	
Tannins	
Tar Emulsion	
Tartaric Acid	
Taste (DI Water)	
Taste (From Organics)	
THM?s	
Toluene	
Toluidine	
Trchlorethylene	
Turpentine	
Vinegar	
Xanthophyll	
Xylene	