

BLACK BERKEY®
PURIFICATION ELEMENTS

FILTRATION SPECIFICATIONS

BLACK BERKEY® Purification Elements are more powerful than any other gravity filter element currently available. The Elements have a unique purification capability that is due to their unique structure. The micro-pores within the Black Berkey® Elements are so small that viruses and pathogenic bacteria are simply not able to pass through them.

Many water filters on the market may claim to be a water purifier, but do not meet the performance specifications required for this classification. In order to be classified as a water purifier, a water treatment device must remove at least 99.9999% of pathogenic bacteria and reduce viruses by 99.99%. The Black Berkey® Purification Elements can be classified as water purifiers because they remove 99.9999999% of pathogenic bacteria and 99.999% of viruses, which greatly exceeds the standard. The Black Berkey® Purification Element formulation has been tested by State and EPA accredited laboratories to exceed NSF/ANSI Standard 53.

The Black Berkey™ Purification Elements have been tested and confirmed to remove or greatly reduce the contaminants listed below:

VIRUSES >99.999% Exceeds Purification Standard (Log 4): MS2 Coliphage – Fr Coliphage

PATHOGENIC BACTERIA SURROGATE >99.9999%
Exceeds Purification Standard (Log 6): Raoultella terrigena

TRIHALOMETHANES – Removed to >99.8% (Below Lab Detectable Limits):
Bromodichloromethane – Bromoform – Chloroform – Dibromochloromethane

INORGANIC MINERALS

Removed to below Lab Detectable Limits: Chlorine Residual (Total Residual Chlorine)

Volatile Organic Compounds (VOCs) Removed to below Lab detectable limits

1,1,1,2-Tetrachloroethane	1,2,4-Trichlorobenzene
1,1,1-Trichloroethane (TCA)	1,2,4-Trimethylbenzene
1,1,2,2-Tetrachloroethane	1,2-Dibromo-3-chloropropane (DBCP)
1,1,2-Trichloroethane	1,2-Dibromoethane
1,1,2-Trichlorotrifluoroethane	1,2-Dichloro-1,1,2-trifluoroethane (CFC 123a)
1,1-Dichloroethane (1,1-DCA)	1,2-Dichlorobenzene
1,1-Dichloroethylene (1,1-DCE)	1,2-Dichlorobenzene-d4
1,1-Dichloropropene	1,2-Dichloroethane
1,2,3-Trichlorobenzene	1,2-Dichloropropane
1,2,3-Trichloropropane	

1,3,5-Trimethylbenzene
1,3-Dichlorobenzene
1,3-Dichloropropene
1,4-Dichlorobenzene
2,2-Dichloropropane
2,4,5-T
2,4,5-TP (Silver)
2,4-D
2,4-DB
2-Butanone (MEK)
2-Chlorotoluene
2-Hexanone
2-Methyl-2-propanol
3,5-Dichlorobenzoic Acid
3-Hydroxycarbofuran
4-Bromofluorobenzene
4-Chlorotoluene
4-Isopropyltoluene
4-Methyl-2-pentanone
4-Nitrophenol
5-Hydroxydicamba
Acetone
Acifluorfen
Alachlor
Aldicarb
Aldicarb Sulfone
Aldicarb Sulfoxide
Aldrin
alpha-Chlorodane
Ametryn
Aroclor (1016, 1221, 1232, 1242, 1248,
1254, 1260)
Atraton
Atrazine
Baygon
Bentazon
Benzene
Bromacil
Bromoacetic Acid
Bromobenzene
Bromochloromethane
Bromodichloromethane

Bromomethane
Bromoform
Butachlor
Butylate
Carbaryl
Carbofuran
Carbon Tetrachloride
Carboxin
Chloramben
Chlordane
Chloroacetic Acid
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
Chlorpropham
cis-1,2-Dichloroethylene
cis-1,3-Dichloropropene
cis-Nonachlor
Cycloate
Dacthal Acid
Dalapon
Diazinona
Dibromoacetic Acid
Dibromochloropropane (DBCP)
Dibromomethane
Dicamba
Dichloroacetic Acid
Dichlorodifluoromethane (CFC 12)
Dichloromethane
Dichlorvos
Diclorprop
Dieldrin
Dinoseb
Diphenamid
Disulfoton
Disulfoton Sulfone
Disulfoton Sulfoxidea
Endrin
EPTC
Ethoprop
Ethylbenzene
Ethylene Dibromide (EDB)

Fenamiphos	Pebulate
Fenarimol	Pentachlorophenol
Fluorobenzene	Picloram
Fluridone	Prometon
gamma-Chlorodane	Prometryn
Glyphosate	Pronamidea
Halo acidic Acids (HAA5)	Propazine
Heptachlor	p-Xylenes
Heptachlor Epoxide	sec-Butylbenzene
Hexachlorobenzene	Simazine
Hexachlorobutadiene (CCC)	Simetryn
Hexachlorocyclopentadiene	Stirofos
Hexazinone	Styrene
Isopropylbenzene (Cumene)	Tebuthiuron
Lindane (Gamma-BHC)	Terbacil
Merphos	Terbufos
Methiocarb	Terbutryn
Methomyl	tert-Butylbenzene
Methoxychlor	Tetrachloroethylene (PCE)
Methyl Paraoxon	Tetrahydrofuran (THF)
Methyl tert-Butyl Ether (MTBE)	Thiobencarb
Metolachlor	Toluene
Metribuzin	Toxaphene
Mevinphos	trans-1,2-Dichloroethylene
MGK 264	trans-1,3-Dichloropropene
Molinate	trans-Nonachlor
Monochlorobenzene	Triademefon
m-Xylenes	Tribromoacetic Acid
Naphthalene	Trichloroacetic Acid
Napropamide	Trichloroethene (TCE)
n-Butylbenzene	Trichloroethylene
Norflurazon	Trichlorofluoromethane (CFC 11)
n-Propylbenzene	Tricyclazole
Oxamyl	Vernolate
o-Xylene	Vinyl Chloride

Heavy Metals—Reduced by up to 95:

Lead, Mercury, Aluminum, Cadmium, Chromium, Copper

Also Removes or Reduces:

Rust, Silt, Sediment, Foul Taste and Odors