



PUREPRO
DRINKING WATER SYSTEM

© PUREPRO USA CORP., ILLINOIS, U.S.A.

**PURE
PRO**

PUREPRO®

Easy-Change RO Systems

purepro products you can
always count on number
one source for quality
filters & components



*Say goodbye to
expensive bottled
water !*

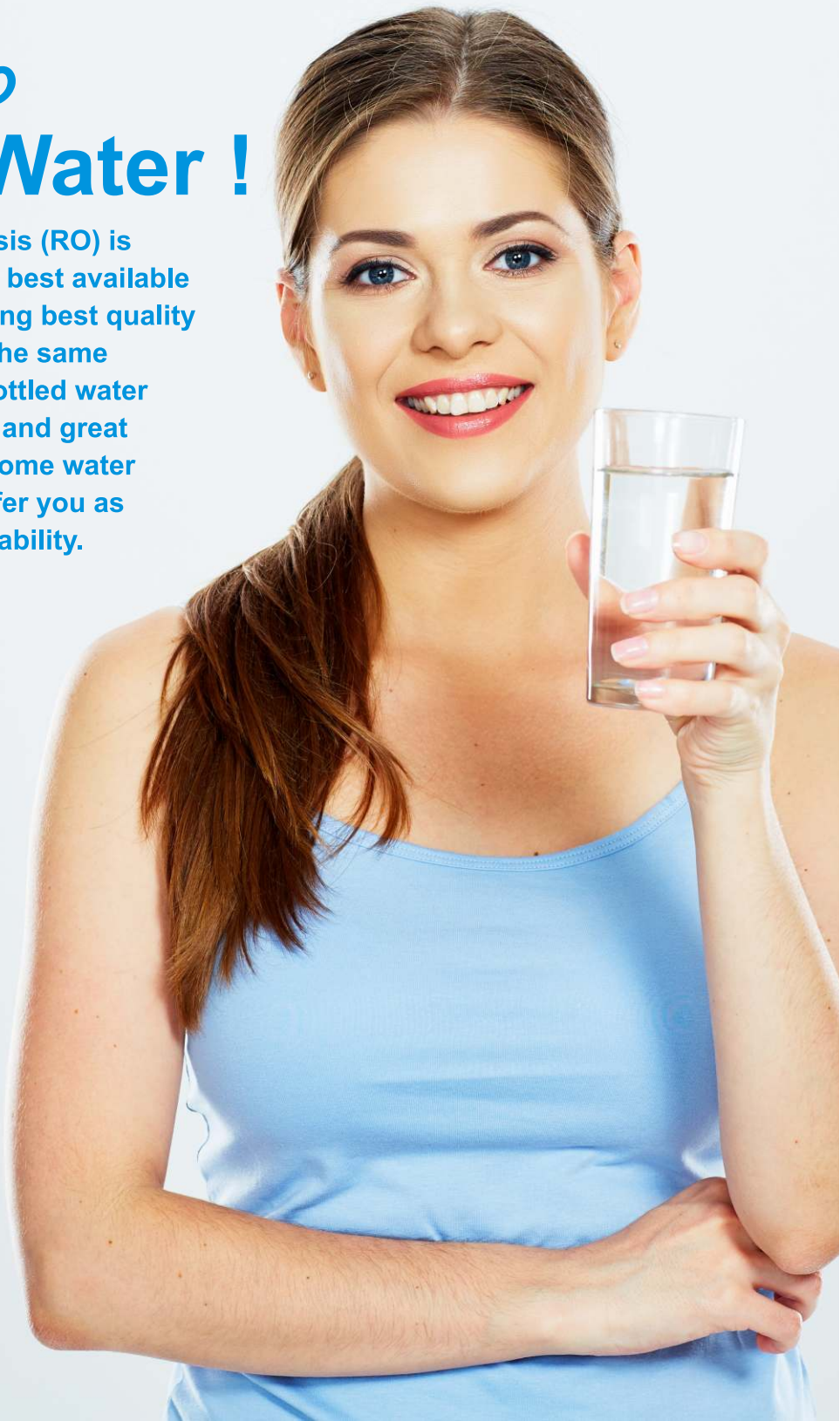


Say hello to **PurePro® Water !**

PurePro® Reverse Osmosis (RO) is recognized as one of the best available technologies for producing best quality drinking water. It's also the same method used by many bottled water companies to make safe and great tasting water. No other home water treatment system can offer you as much protection and reliability.

PUREPRO
DRINKING WATER SYSTEM

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Enjoy ultra fresh, clean, great tasting water.

EZ-105 Blue Series

PurePro Reverse Osmosis is recognized as one of the best available technologies for producing best quality drinking water. No other home water treatment system can offer you as much protection and reliability.



Features:

- * Easy-Change Cartridges
- * Advanced Design
- * Superior Value
- * RO / NF Membrane

PUREPRO
DRINKING WATER SYSTEM



PUREPRO USA



Pure-Pro Reverse Osmosis (RO) Systems

Over ten years expertise in reverse osmosis drinking water systems, our unique design features make installation easier and operation more reliable, and our wide selection of colors and sizes allows you to solve virtually any RO application.



Your family needs **Pure Water** to stay healthy.

EZ-105 Green Series

PurePro Reverse Osmosis System provides your family with premium water for drinking and cooking at a fraction of the cost of bottled water. That means no more deliveries, heavy containers, storage problems, spills, or bottle deposits.

www.purepro.net



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EZ-105 Orange Series

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- * RO / NF Membrane



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Quick-Change Cartridge

www.purepro.net



*Simply the **BEST**
of the **BEST** !!*

**Quick-Change RO systems
are so easy to service !!**

EZ-105

Quick-Change RO System

PurePro® Quick-Change RO Systems are designed for consumers that demand the BEST! Change filters with a single 1/4 turn twist! Much quicker than traditional systems!



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Quick-Change Cartridge

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Bring Your Water Back To Nature

High Technology, High Life,
PurePro Drinking Water System.

**Quick-Change RO systems
are so easy to service !!**

**EZ-105 / EZ-105P (with Pump)
Quick-Change RO System**

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Change filters with a single 1/4 turn twist!
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Quick-Change Cartridge

www.purepro.net

*Premium performance!
Advanced design!
Superior value!*



EZ-105P

Quick-Change RO System

With booster pump

PurePro® Quick-Change RO system is a modern kitchen appliance that has been carefully designed with health consciousness, efficiency, high performance and convenience in mind. Use quick-change cartridge design makes filter changes fast and easy!



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PUREPRO TRUE HEALTH® T1

*It's for health.
It's for life.*

Unlimited Hot / Cold Water, Connect to
PurePro RS-108 system, Auto-Fill with
Alkaline Mineral Water !



Instant Hot and Cold Pure Water

- Offering no-stop hot / cold water.
- Autofill with PurePro alkaline mineral water.
- Touch switch interface for hot and cold water
- Safety lock for hot water
- Powerful chilling capacity up to 20 liters per hour
- Convenient, clean, plenty of hot water.
- Ideal for Tea, Baby Milk, Noodle.

PUREPRO
DRINKING WATER SYSTEM

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Enjoy Great Tasting Water

Convenient, Clean, Plenty of Hot Water.

*Connect to PurePro RS-108 system, Auto-Fill with
PurePro Mineral Water !*



TOP



FRONT



SIDE



PUREPRO TRUE HEALTH® T1

Instant Hot and Cold Pure Water

- Offering no-stop hot / cold water.
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Euro-Luxury Faucet

www.purepro.net

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Best Luxurious RO faucet

PurePro® Luxury RO system includes new best Euro-Luxury faucet which is the most beautiful, most elegant design in the world. This faucet can make an important aesthetic statement and can be an essential part of the style of your modern kitchen.

(Lead free, NSF certificated)

www.purepro.net

Euro-Luxury Faucet



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PurePro[®] Designer Faucet

Simply the best of the best ! Stylish design looks great in any kitchen!
There is no need to search from distributor to distributor for the right faucet for your application.



#216

Long reach faucet with
a ceramic disc valve



#101

Long reach faucet with
a ceramic disc valve



#124

Long reach faucet
with a ceramic valve
quarter-turn handle



#217

Press type faucet

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PUREPRO RO MEMBRANE

The best
investment in health!



PUREPRO MEMBRANES

PurePro supplies a complete line of TFC (Thin Film Composite) residential membrane elements which utilize the most advanced membrane film technology and manufacturing processes. This top quality product is made in the USA.



COMPONENT

This Membrane Element is Tested and Certified by NSF International against NSF/ANSI Standard 58 for material requirements only.

www.purepro.net



Estimated Percent Rejection of Various Solutes
by PUREPRO Membranes
NSF Certified
Made In USA
High Stable Performance
HIGHER QUALITY

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PUREPRO RO MEMBRANE

The Doctor's Choice !

PUREPRO MEMBRANES

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HIGHER QUALITY

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PUREPRO RO MEMBRANE

100%

Satisfactory Guaranteed !



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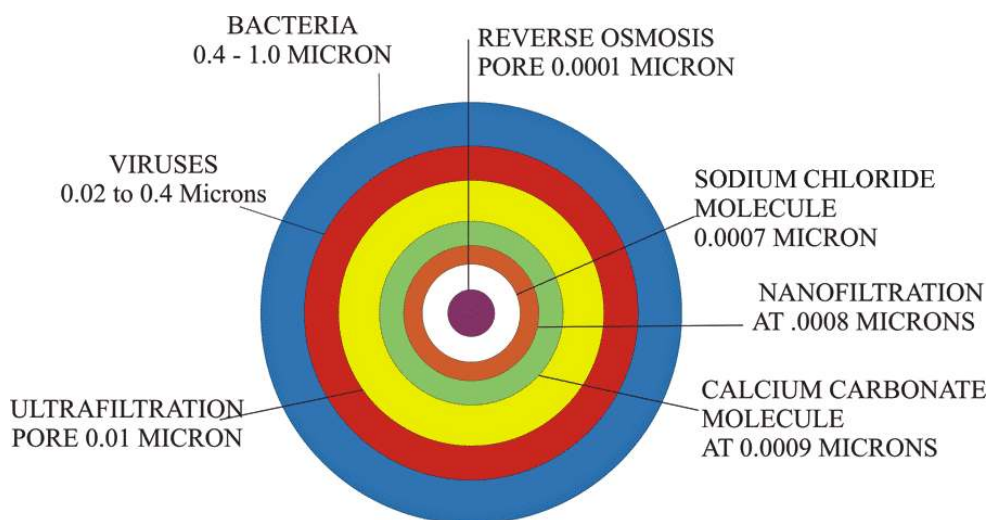
PUREPRO Nanofiltration (NF) Membranes

What is Nanofiltration (NF) membranes ?

Nanofiltration membrane has a slightly larger pore size than reverse osmosis membrane. Thus monovalent salts like sodium chloride (common table salt) molecules passes through the membrane but large divalent salts of Calcium, Magnesium and other metals like iron, heavy metals, etc. are all blocked.

Reverse Osmosis Pore Size vs Nanofiltration Pore Size

The Nanofiltration pore size diagram below will help you more understand the relative pore sizes of membranes and the sizes of the common impurities.



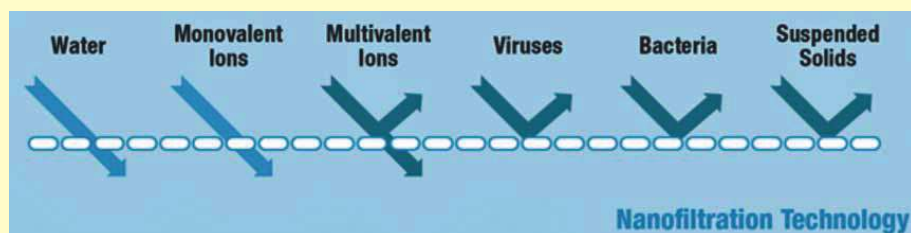
PORE SIZE COMPARED WITH MOLECULES, BACTERIA AND VIRUS
APPROXIMATE VALUES AND FIGURE IS NOT TO SCALE

The pore size of RO membrane is 0.0001 microns which is smaller than the size of the Sodium Chloride Molecule which is 0.0007 micron and will not let it through. Nor will it let through germs and viruses, and organic molecules which are very much larger than the RO pore.

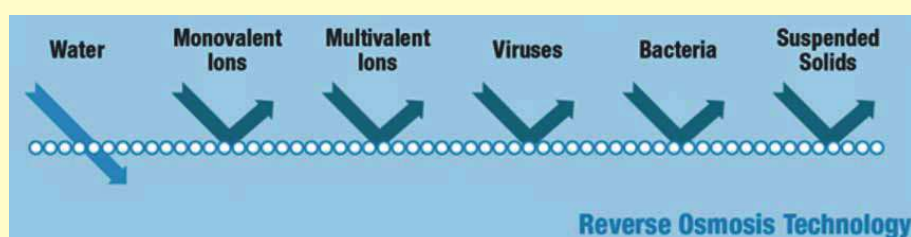
So an RO membrane will purify water from almost all chemicals. What can pass through the RO membrane is water and molecules smaller than the water molecule, like CO₂ gas. Smaller molecules than water is generally not harmful to health. The RO Water is very pure. Bottled water manufacturers usually use reverse osmosis water filters to purify their water.

The Nanofiltration pore size at 0.0008 microns, is only slightly larger than the RO pore (0.0001 microns) and also only very slightly larger than the size of the common salt (NaCl) molecule. So it allows monovalent common salt Sodium Chloride to pass through but will not allow divalent Calcium salts like Calcium Carbonate of dia 0.0009 microns to pass through. Nanofiltration and Reverse Osmosis RO membranes remove Mercury, Lead, Heavy Metals, Arsenic, all germs and viruses from water and makes Hard Water Soft.

The diagrams below from PurePro Membranes helps us to better understand the concept of Nanofiltration and Reverse Osmosis.



Nanofiltration Membrane allows only pure water, monovalent salts and lower molecular weight divalent salts to pass through.



RO membrane only allows pure water to pass through it. Everything else like monovalent and multivalent salts, bacteria and viruses, dirt, etc. are completely blocked.



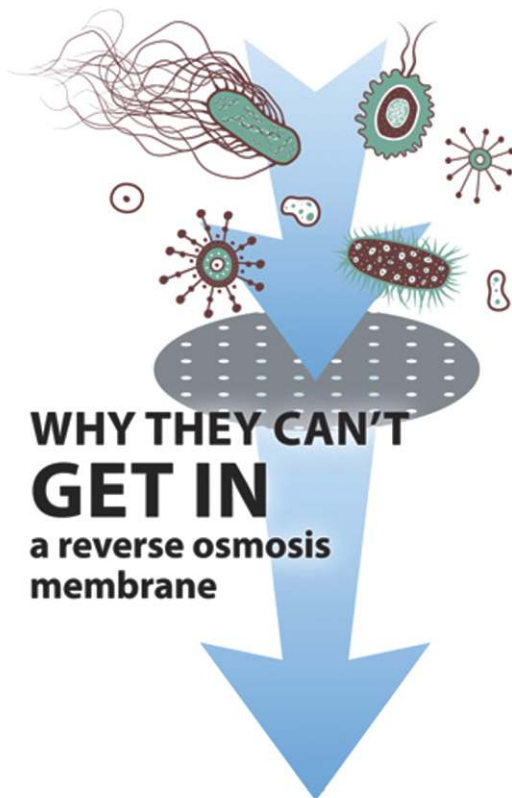
PurePro RO systems (with NF membrane) are designed for the people who still want to keep the mineral element inside the water. It is also the premier pre-filtration system available for water ionizers today. The size of the pores on the NF membrane are 0.0008 microns allowing it to remove bacteria, viruses, heavy metals, viral contaminants, and other dangerous elements while still allowing valuable minerals through for the water ionizer to ionize, and your body to absorb.



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WHAT YOU WANT TO KEEP OUT



**WHY THEY CAN'T
GET IN**
a reverse osmosis
membrane



VIRUS:

200-4000x too big
to get through

BACTERIA:

2000-10000x too big
to get through

PLUS removal of:

chlorine, lead,
fluoride, arsenic,
asbestos,
pharmacueticals,
PCBs, pesticides,
herbicides



REVERSE OSMOSIS WATER CONTAMINANT REJECTION TABLE

Contaminant	% removed	Contaminant	% removed
Guardia cysts	100%	Chloride	99.90%
Cryptosporidium cycts	100%	Radioactivity	95-99%
DDT	>99.9%	Potassium	92-99%
PCB	>99.9%	Zinc	95-99%
E. coli bacteria	>99.9%	Bicarbonate	99%
Fecal bacteria	>99.9%	Sulfate	95-99%
Serratia marcescenes	>99.9%	Calcium	95-99%
Salmonella typhi	>99.9%	Strontium	95-99%
Vibrio cholerae	>99.9%	Nitrate +3	90-99%
Shigella disinteriae	>99.9%	Ferro cyanide	96-99%
Sodium fluoride	99%	Calcium chloride	99%
Sodium chloride (NaCl)	99%	Iron	95-99%
Magnesium chloride	99%	Silicate	95-99%
Nickel sulfate NiSO4	>99%	Arsenic +5	95-99%
Copper sulfate CuSO4	>99%	Aluminum	95-99%
Chlorinated pesticides	99.90%	Glucose	98%
Sodium nitrate NaNO3	97-99%	Lead	95-99%
Mercury	95-99%	Lindane	>99.9%
Nickel	95-99%	Fluoride	90-95%
Copper	95-99%	Magnesium	95-99%
Sodium	95-99%	Sucrose	99%
Chromate	95-99%	Silver	95-99%
Silica SiO2	98%	Lactic acid pH5	99%
Barium	95-99%	Phosphate	95-99%
Cadmium	95-99%	Ammonium	95-99%
Toluane	>99.9%		

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THE MOST COMPLETE PURIFICATION PROCESS

Reverse Osmosis (RO) drinking water systems include mechanical filtration to remove particles, carbon absorption and absorption to remove chlorine, taste, odor and chemical contaminants, as well as membrane separation down to .0001 microns. RO membranes remove dissolved solids at the ionic level. No other purification system can provide better removal. Reverse Osmosis Systems provide the best quality drinking water for your family.

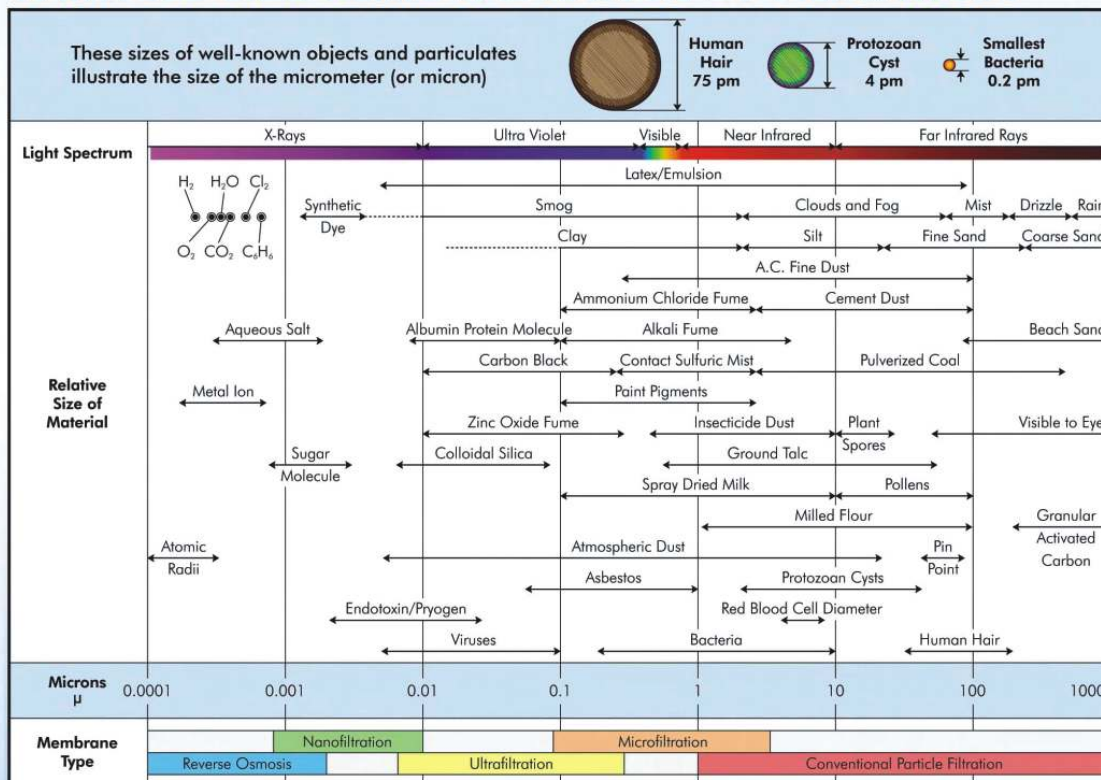


Reverse osmosis systems remove the entire spectrum of harmful contaminants.

RESIDENTIAL APPLICATIONS

- ◆ Drinking water
- ◆ Ice cubes
- ◆ Juices, coffee & tea
- ◆ Cooking water
- ◆ Low sodium diets
- ◆ Auto batteries
- ◆ Soups & sauces
- ◆ Steam irons
- ◆ Weight loss programs
- ◆ Aquariums
- ◆ Baby formulas
- ◆ Plants
- ◆ Pets
- ◆ Humidifiers
- ◆ Radiators
- ◆ And More!

PARTICLE SIZE REMOVAL RANGE BY FILTRATION



Source: "Water Processing: Third Edition", Wes McGowan, Water Quality Association, 2001

TYPICAL REMOVAL RATES FOR THIN-FILM COMPOSITE MEMBRANES

At 65 PSI Feed Pressure and 77° Temperature

Arsenic 94%	Barium 99%	Flouride 93%	Nitrates 97%	Nitrites 97%
Asbestos 99%	Cadmium 98%	Lead 99%	Radium 90%	Hexavalent Chromium 96%
Cyanide 96%	Copper 99%	Mercury 91%	Selenium 96%	Trivalent Chromium 98%



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MEMBER



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