

# Clean Water Enterprises, LLC

## **PRODUCT CATALOG**

### **Section 3**

Supporting Information Applicable To All Systems:

List of Effectively Killed Contaminants

- Bacteria
- Molds
- Protozoa
- Viruses
- Yeasts

Chemical Types Effectively Eliminated

Summary Results from Independent Laboratory

# List of Effectively Killed Contaminants

<b>Organism Type</b>	
<b>Bacteria</b>	
Agrobacterium tumefaciens	Neisseria catarrhalis
Bacillus anthracis – (Anthrax and spores)	Phytomonas tumefaciens
Bacillus magaterium sp. (veg.)	Proteus vulgaris
Bacillus paratyphus	Pseudomonas aeruginosa
Bacillus subtilis spores	Pseudomonas fluorescens
Bacillus subtilis	Salmonella enteritidis
Clostridium tetani	Salmonella paratyphi (Enteric fever)
Corynebacterium diphtheriae (Diphtheria's)	Salmonella typhosa (Typhoid fever)
Ebertelia typhosa	Salmonella typhimurium
Escherichia coli (E. Coli)	Sarcina lutea
Giardia Lamblia	Serratia marcescens
Legionella bozemanil	Shigella dysenteriae (Dysentery)
Legionella dumoffii	Shigella flexneri (Dysentery)
Legionella gormanii	Shigella paradysenteriae
Legionella micdadei	Spirillum rubrum
Legionella longbeachae	Staphylococcus albus
Legionella pneumophila (Legionnaires Dis.)	Staphylococcus aerius
Leptospiracanicola (infectious Jaundice)	Staphylococcus hemolyticus
Micrococcus candidus	Staphylococcus lactis
Micrococcus sphaeroides	Streptococcus viridans
Mycobacterium tuberculosis (Tuberculosis)	Vibrio comma (Cholera)
<b>Molds</b>	
Aspergillius glaucus	Penicillium expansum (olive)
Mucor racemosus A	Penicillium roqueforti (green)
Mucor racemosus B	Penicillium digitatum
Oospora lactis	
<b>Protozoa</b>	
Chlorella Vulgaris	Paramecium
Nematode Eggs	
<b>Virus</b>	
Bacteriophage – E. Coli	Influenza (Influenza)
Infectious Hepatitis (Hepatitis)	Poliovirus – Poliomyelitis
<b>Yeast</b>	
Brewers yeast	Saccharomyces ellipsoideus
Common yeast cake	Saccharomyces spores
Saccharomyces carevisiae	

## Chemical Types Effectively Eliminated

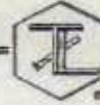
Acetadshyde	Methyl Alcohol
Acetic Acid	Mud and Sediment
Acetone	Methyl Bromide
Alcohol's	Methyl Chloride
Alkalinity	Methyl Ethyl Ketone
Amines	Naphtha
Amyl Acetate	Nitric Acid
Amyl Alcohol	Nitrobentene
Antifreeze	Nitrotoluene
Benzene	Odors, General
Bleach	Oils, Dissolved
Butyl Alcohol	Oil, Suspended
Butyl Acetate	Organic Acids
Calcium Hypachlorite	Organic Esters
Chloral	Organic Salts
Chloramine	Oxalic Acids
Chloroform	Oxygen
Chlorine	Oxone
Chlorobenzene	PCB's
Chlorophenol	Pesticides
Chlorophyll	Phenol
Citric Acid	Plastic Taste
Cresol	Plating Waste
Defoliant's	Potassium Permanganate
Detergents	Precipitated Iron
Diesel Fuel and Gasoline	Precipitated Sulfur
Dyes	Propionic Acid
Emulsions	Propionaldehyde
Ethyl Acetate	Propyl Acetate
Ethyl Acrylate	Propyl Alcohol
Ethyl Alcohol	Propyl Chloride
Ethyl Amine	Radon
Ethyl Chloride	Rubber Hose Taste
Ethyl Ether	Soap
Formaldehyde	Sodium Hypochlorite
Glycol's	Soluble Iron Solvents
Herbicides	Sulphonated Oils
Hydrogen Bromide	Suspended Matter
Hydrogen Iodide	Tannins
Hydrogen Peroxide	Tar Emulsion
Hydrogen Selenide	Tartaric Acid
Hydrogen Sulfide	Taste, DI Water and Organics
Hypochlorous Acid	THM's
Insecticides	Toluene
Iodine	Toludine
Isopropyl Acetate	trichloroethylene
Isopropyl Alcohol	Turpentine
Ketones	Urine and Feces
Lactic	Vinegar
Mercaptans	Xylene
Methyl Acetate	Volatile Organic Compounds (VOC's)

# Summary Results From Independent Laboratory

## REPORT

### TRUESDAIL LABORATORIES, INC.

CHEMISTS · MICROBIOLOGISTS · ENGINEERS  
RESEARCH · DEVELOPMENT · TESTING  
ESTABLISHED 1931



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Pura, Inc.  
25555 West Stanford  
Valencia, Calif. 91355  
Attn: Ellis Anderson

DATE: July 14, 1995

RECEIVED: June 30, 1995

LABORATORY NO. 82201-1

One Model UV1 EPCB UV System

Microbiological Testing (APHA 17th Ed., 1989, 9215B)

#### RESULTS

Twenty Four hour cultures of E. coli were harvested off Tryptic Soy Agar slants and added to bacteria and chlorine free water and mixed. The inoculated water was pumped through the unit at 1.0 gallons per minute. Samples were taken and plate counts conducted. The results are given below:

<u>Flow Rate: 1.0*</u>	<u>Bacteria Count**</u> <u>per milliliter</u>	<u>Coliform***</u> <u>P/A per 100ml</u>	<u>Percent Reduction</u> <u>Over Control</u>
Control	900,000	P	-
After 1 gallon	<1****	A	>99.999999%
After 2 gallons	<1	A	>99.999999%

\* Gallons per Minute

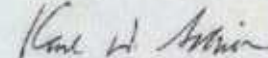
\*\* Colony Forming Units, Violet Red Bile Agar, 24 hours, 35°C

\*\*\* Coliurt Presence/Absence

\*\*\*\* None Detected, less than the limit of detection

Respectfully submitted,

TRUESDAIL LABORATORIES, INC.

  
Karl W. Schiller, M.S.  
Chief Microbiologist

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