



Laborprüfbericht

Test Results

Rapport de test de Laboratoire

Rapporto di test di Laboratorio

Informe de pruebas de laboratorio

Impressum

Betreiber und verantwortlich für die Inhalte dieses Shops ist:

YVE-BIO

27628 Hagen im Bremischen, Germany

Geschäftsführung: Stephanie Helliger

Adressen für alle: siehe oben

HR-Nummer HRB 209039

Gerichtstand Tostedt, Germany

QFT LABORATORY, LLC.

Williamstown, New Jersey
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EPA ID # NJ01298 NJ DEP ID # 03048 IAPMO ID #102

Es handelt sich um eine Übersetzung. Dies ist kein Original.

**LABORPRÜFBERICHT
für den Hersteller des**

Super Sterasyl

**BESTANDTEIL VON
WASSERFILTERSYSTEMEN DER**

**YVE-BIO GMBH
27628 HAGEN IM BREMISCHEN, DEUTSCHLAND**

WASSERTESTBERICHT: Super Sterasyl

Report # 19-119

Datum des Laborberichtes: 20.06.2019

Einleitung

Der folgende Testbericht fasst die Leistungen des Super Sterasyl zusammen, die unter Schwerkraft mit einer Reihe von Pestiziden und Chlorverunreinigungen bis zu einer Kapazität von 3030 Litern getestet wurden. Die Eingangs- und Ausgangswerte sowie die Filtrationseffizienz für jeden Schadstoff wurden während des gesamten Tests gemessen und in den folgenden Ergebnistabellen festgehalten.

Schadstoff-geprüft		10 UV	606 Liter	1515 Liter	2121 Liter	2727 Liter	3030 Liter	Mind. Gesamteffizienz
Glyphosat (Herbizid, Roundup)	Beigabe	810.2 ug/L	803.4 ug/L	804.8 ug/L	806.8 ug/L	803.6 ug/L	804.9 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.99%	99.99%	99.99%	99.99%	99.96%	99.94%	99.94%
Alachlor (Herbizid)	Beigabe	48.25 ug/L	49.39 ug/L	40.32 ug/L	48.8 ug/L	49.58 ug/L	49.25 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.79%	99.80%	99.75%	99.80%	99.80%	99.80%	99.75%
Fluridon (Herbizid)	Beigabe	72.54 ug/L	50.25 ug/L	87.52 ug/L	53.65 ug/L	53.62 ug/L	54.36 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.86%	99.80%	99.89%	99.81%	99.81%	99.82%	99.80%
Hexachlorbenzol HCB (Fungizid)	Beigabe	50.58 ug/L	48.66 ug/L	62.11 ug/L	46.54 ug/L	51.25 ug/L	52.35 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.80%	99.79%	99.84%	99.79%	99.80%	99.81%	99.78%
Hexachlor-cyclopentadiene (Pestizid)	Beigabe	48.55 ug/L	64.22 ug/L	79.28 ug/L	62.66 ug/L	52.45 ug/L	52.74 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.79%	99.84%	99.87%	99.84%	99.81%	99.81%	99.79%
Delta BHC (Lindan)	Beigabe	50.57 ug/L	48.65 ug/L	62.09 ug/L	46.53 ug/L	49.57 ug/L	51.24 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.80%	99.79%	99.84%	99.79%	99.80%	99.80%	99.78%
Porpachlor (Herbizid)	Beigabe	50.57 ug/L	48.65 ug/L	62.1 ug/L	46.53 ug/L	53.26 ug/L	52.36 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.80%	99.79%	99.84%	99.79%	99.81%	99.81%	99.78%
Molinat (Herbizid)	Beigabe	49.43 ug/L	33.59 ug/L	53.29 ug/L	58.24 ug/L	48.58 ug/L	49.61 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.80%	99.70%	99.81%	99.83%	99.79%	99.80%	99.66%
Alpha-BHC (Lindan)	Beeinflusst	50.57 ug/L	48.65 ug/L	62.09 ug/L	36.53 ug/L	49.65 ug/L	51.23 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.80%	99.79%	99.84%	99.73%	99.80%	99.80%	99.73%
Beta-BHC (Lindan)	Beigabe	45.15 ug/L	48.26 ug/L	40.05 ug/L	51.54 ug/L	51.42 ug/L	48.56 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.78%	99.79%	99.75%	99.81%	99.79%	99.79%	99.75%
Gamma BHC (Lindan)	Beigabe	46.57 ug/L	38.31 ug/L	45.19 ug/L	49.57 ug/L	47.23 ug/L	48.52 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.79%	99.74%	99.78%	99.80%	99.79%	99.79%	99.79%

Schadstoff-geprüft		10 UV	606 Liter	1515 Liter	2121 Liter	2727 Liter	3030 Liter	Mind. Gesamteffizienz
Atrazin (Herbizid)	Beigabe	45.13 ug/L	48.26 ug/L	40.1 ug/L	51.54 ug/L	49.85 ug/L	48.58 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.78%	99.79%	99.75%	99.81%	99.80%	99.38%	99.38%
Simazin (Herbizid)	Beigabe	49.58 ug/L	48.05 ug/L	4.63 ug/L	44.7 ug/L	46.78 ug/L	49.85 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.80%	99.79%	99.85%	99.78%	99.79%	99.80%	99.74%
Metribuzin (Herbizid)	Beigabe	46.82 ug/L	49.68 ug/L	60.43 ug/L	47.82 ug/L	51.24 ug/L	50.24 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.79%	99.80%	99.83%	99.79%	99.80%	99.40%	99.40%
Heptachlor (Insektizid)	Beigabe	46.77 ug/L	41.83 ug/L	49.64 ug/L	65.19 ug/L	48.75 ug/L	50.24 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.79%	99.76%	99.80%	99.85%	99.79%	99.80%	99.35%
Metolachlor (Herbizid)	Beigabe	73.8 ug/L	49.86 ug/L	51.67 ug/L	45.53 ug/L	48.75 ug/L	49.52 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.86%	99.80%	99.81%	99.78%	99.79%	99.80%	99.78%
Butylat (Insektizid)	Beigabe	65.51 ug/L	89.98 ug/L	71.56 ug/L	109.3 ug/L	84.57 ug/L	70.45 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.85%	99.89%	99.86%	99.91%	99.88%	99.86%	99.85%
2,4-D (Herbizid)	Beigabe	49.75 ug/L	59.32 ug/L	40.02 ug/L	56.85 ug/L	51.45 ug/L	50.25 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.80%	99.83%	99.75%	99.82%	99.81%	99.80%	99.75%
Aldrin (Insektizid)	Beeinflusst	56.35 ug/L	56.04 ug/L	50.77 ug/L	51.42 ug/L	58.45 ug/L	54.12 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.82%	99.82%	99.80%	99.81%	99.83%	99.82%	99.80%
Heptachlorepoxid (Insektizid)	Beigabe	111.31 ug/L	199.18 ug/L	97.85 ug/L	172.73 ug/L	130.25 ug/L	125.25 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.91%	99.95%	99.90%	99.94%	99.92%	99.92%	99.90%
Trans-Chlordan (Insektizid)	Beigabe	34.98 ug/L	50.77 ug/L	66.03 ug/L	42.99 ug/L	44.52 ug/L	48.57 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.71%	99.80%	99.85%	99.77%	99.78%	99.79%	99.71%
Butachlor (Herbizid)	Beigabe	95.18 ug/L	185.07 ug/L	165.73 ug/L	151.15 ug/L	130.25 ug/L	132.45 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.89%	99.95%	99.94%	99.93%	99.92%	99.92%	99.89%
Endosulfan I (Insektizid)	Beigabe	52.35 ug/L	48.92 ug/L	53.25 ug/L	42.9 ug/L	48.58 ug/L	49.57 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.81%	99.80%	99.81%	99.77%	99.79%	99.80%	99.75%
cis-Chlordan (Insektizid)	Beigabe	52.35 ug/L	51.23 ug/L	51.24 ug/L	52.24 ug/L	50.65 ug/L	51.45 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.81%	99.80%	99.80%	99.81%	99.80%	99.81%	99.80%
p,p'-DDE (Insektizid)	Beeinflusst	35.76 ug/L	66.82 ug/L	104.25 ug/L	71.76 ug/L	50.65 ug/L	51.45 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.72%	99.85%	99.90%	99.86%	99.80%	99.81%	99.72%
Dieldrin (Insektizid)	Beigabe	73.68 ug/L	105.07 ug/L	85.27 ug/L	85.77 ug/L	70.45 ug/L	65.58 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.86%	99.90%	99.88%	99.35%	99.86%	99.85%	99.35%

Schadstoff-geprüft		10 UV	606 Liter	1515 Liter	2121 Liter	2727 Liter	3030 Liter	Mind. Gesamteffizienz
Endrin (Insektizid)	Beigabe	59.72 ug/L	50.97 ug/L	62.56 ug/L	46.45 ug/L	49.58 ug/L	50.25 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.83%	99.80%	99.84%	99.78%	99.80%	99.80%	99.78%
Endosulfan II (Insektizid)	Beigabe	50.6 ug/L	53.49 ug/L	67.23 ug/L	49.8 ug/L	51.45 ug/L	50.32 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.80%	99.81%	99.85%	99.80%	99.81%	99.80%	99.80%
p,p'-DDD (Insektizid)	Beigabe	20.25 ug/L	21.56 ug/L	19.44 ug/L	19.45 ug/L	22.45 ug/L	24.85 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.51%	99.54%	99.49%	99.49%	99.55%	99.60%	99.49%
Endrin Aldehyde (Pestizid)	Beigabe	21.6 ug/L	29.9 ug/L	52.92 ug/L	30.32 ug/L	46.85 ug/L	42.85 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.54%	99.67%	99.81%	99.67%	99.79%	99.77%	99.54%
p,p'-DDT (Insektizid)	Beigabe	22.18 ug/L	33.36 ug/L	57.83 ug/L	33.22 ug/L	30.52 ug/L	31.45 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.55%	99.70%	99.83%	99.70%	99.67%	99.68%	99.55%
Endosulfan Sulfate (Insektizid)	Beigabe	37.86 ug/L	53.66 ug/L	93.49 ug/L	54.26 ug/L	52.45 ug/L	53.65 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.74%	98.42%	99.89%	99.82%	99.81%	99.81%	98.42%
Endrin Ketone (Insektizid)	Beeinflusst	65.25 ug/L	68.53 ug/L	52.03 ug/L	51.56 ug/L	50.85 ug/L	51.98 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.85%	99.85%	99.81%	99.81%	99.80%	99.81%	99.80%
Methoxychlor (Insektizid)	Beigabe	111.41 ug/L	119.63 ug/L	108.38 ug/L	131.58 ug/L	124.56 ug/L	120.45 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.91%	99.92%	99.91%	99.92%	99.92%	99.92%	99.91%
Bromacil (Herbizid)	Beigabe	115.53 ug/L	113.43 ug/L	213.44 ug/L	130.91 ug/L	120.58 ug/L	121.85 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.91%	99.91%	99.95%	99.92%	99.92%	99.92%	99.91%
Carbofuran (Insektizid)	Beigabe	36.49 ug/L	58.34 ug/L	59.5 ug/L	76.89 ug/L	52.85 ug/L	59.62 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.73%	99.83%	99.83%	99.87%	99.81%	99.83%	99.73%
Chloroneb (Fungizid)	Beigabe	47.55 ug/L	67.64 ug/L	81.61 ug/L	58.55 ug/L	58.95 ug/L	50.45 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.79%	99.85%	99.88%	99.83%	99.83%	99.80%	99.79%
Chlorothalonil (Fungizid)	Beigabe	75.42 ug/L	49.87 ug/L	73.9 ug/L	66.86 ug/L	52.85 ug/L	50.48 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.87%	99.80%	99.86%	99.85%	99.81%	99.80%	99.80%
Chlorpropan (Chlorkohlenwasserstoff)	Beigabe	33.89 ug/L	19.16 ug/L	60.22 ug/L	69.57 ug/L	53.45 ug/L	50.51 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.70%	99.48%	99.83%	99.86%	99.81%	99.80%	99.48%
Chlorpyrifos (Insektizid)	Beigabe	49.76 ug/L	49.7 ug/L	54.93 ug/L	53.4 ug/L	51.52 ug/L	51.58 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.80%	99.80%	99.82%	99.81%	99.81%	99.81%	99.77%
Cyanazin (Herbizid)	Beigabe	45.71 ug/L	41.77 ug/L	69.26 ug/L	41.53 ug/L	51.78 ug/L	52.65 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.78%	99.76%	99.86%	99.76%	99.81%	99.81%	99.76%

Schadstoff-geprüft		10 UV	606 Liter	1515 Liter	2121 Liter	2727 Liter	3030 Liter	Mind. Gesamteffizienz
Dichlorvos (Insektizid)	Beigabe	50.23 ug/L	63.21 ug/L	121.79 ug/L	51.86 ug/L	54.03 ug/L	51.35 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.80%	99.84%	99.92%	99.81%	99.81%	99.81%	99.80%
Diphenamid (Herbizid)	Beeinflusst	36.83 ug/L	49.3 ug/L	71.24 ug/L	61.16 ug/L	53.65 ug/L	52.05 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.73%	99.80%	99.86%	99.84%	99.81%	99.81%	99.73%
Disulfoton (Insektizid)	Beigabe	15.72 ug/L	19.62 ug/L	76.14 ug/L	26.09 ug/L	20.63 ug/L	20.51 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.36%	99.49%	99.87%	99.62%	99.52%	99.51%	99.36%
Fenamiphos (Pestizid)	Beigabe	56.43 ug/L	69.56 ug/L	70.27 ug/L	45.84 ug/L	49.85 ug/L	48.57 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.82%	99.86%	99.86%	99.78%	99.80%	99.79%	99.76%
Fenarimol (Fungizid)	Beigabe	34.48 ug/L	53.37 ug/L	76.16 ug/L	56.4 ug/L	50.05 ug/L	51.35 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.71%	99.81%	99.87%	99.82%	99.80%	99.81%	99.71%
Ethoprop (Insektizid)	Beigabe	51.54 ug/L	71.97 ug/L	62.67 ug/L	74.02 ug/L	60.25 ug/L	63.32 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.81%	99.86%	99.84%	99.86%	99.83%	99.84%	99.81%
Toxaphene (Insektizid)	Beigabe	36.65 ug/L	39.89 ug/L	73.32 ug/L	39.56 ug/L	46.36 ug/L	43.52 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.73%	99.75%	99.86%	99.75%	99.78%	99.77%	99.73%
PCB's (org. Giftstoff)	Beigabe	10.25 ug/L	12.42 ug/L	10.45 ug/L	10.35 ug/L	11.98 ug/L	11.75 ug/L	
	Gefiltert	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduktion	99.02%	99.19%	99.04%	99.03%	99.17%	99.15%	98.93%

Chlortestergebnisse

Kumuliertes Volumen	Beigefügtes Chlor	Abfluss von Chlor	Reduktion in %
10 UV	1.90 mg/L	<0.01	99.47%
303 Liter	2.20 mg/L	<0.01	99.55%
606 liter	1.80 mg/L	<0.01	99.44%
909 Liter	1.90 mg/L	<0.01	99.47%
1212 Liter	1.80 mg/L	<0.01	99.44%
1515 Liter	1.80 mg/L	<0.01	99.44%
1818 Liter	1.80 mg/L	<0.01	99.44%
2121 Liter	2.00 mg/L	<0.01	99,50%
2424 Liter	2.40 mg/L	<0.01	99,55%
2727 Liter	1.80 mg/l	<0.01	99.44%
3030 Liter	1.80 mg/l	<0.01	99.44%

ERGEBNISSE:

Die Filter lieferten während des Tests bei allen Verunreinigungen eine Filtrationseffizienz von > 98,9 %.

ZERTIFIZIERUNG DER ERGEBNISSE:

Ich bestätige hiermit schriftlich, dass alle hier durchgeführten Analysen und Berichterstattungen mit allen in N.J.A.C. 7:9E und N.J.A.C. 7:18 festgelegten Anforderungen übereinstimmen, und bestätige hiermit, dass dieses Labor alle Laborzertifizierungs- und Qualitätskontrollverfahren und -anforderungen gemäß N.J.A.C. 07.18, NYCRR-Unterabschnitt 55-2, den Institutsstandards der National Environmental Laboratory Accreditation Conference (NELAC) und der ISO 17025 erfüllt.

Haftungsausschluss: Die Testergebnisse beziehen sich ausschließlich auf die getesteten Filterpatronen, in dem Zustand, in dem sie im Labor eingegangen sind.



Jaime Young, Laborleiter



QFT LABORATORY, LLC.

Williamstown, New Jersey
www.enviroteklab.com

EPA ID # NJ01298 NJ DEP ID # 03048 IAPMO ID #102

This is not an original.

**TEST RESULTS
for the manufacturer of the**

Super Sterasyl

**COMPONENT OF
WATER FILTER SYSTEMS OF**

**YVE-BIO
27628 HAGEN IM BREMISCHEN, GERMANY**

WATER TEST REPORT: Super Sterasyl

Report # 19-119

Date of the laboratory report: 20.06.2019

Introduction

The following test report summarises the performances of the filters tested under gravity using a range of Pesticides, and Chlorine Contaminants to a capacity of 3030 Liters. The influent and effluent levels plus the filtration efficiencies for each contaminant were measured throughout the test and recorded in the following result tables.

Contaminant Tested		10 UV	606 liters	1515 liters	2121 liters	2727 liters	3030 liters	Min. Efficiency throughout
Glyphosate (Herbicide, Roundup)	Influent	810.2 ug/L	803.4 ug/L	804.8 ug/L	806.8 ug/L	803.6 ug/L	804.9 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.99%	99.99%	99.99%	99.99%	99.96%	99.94%	99.94%
Alachlor (Herbicide)	Influent	48.25 ug/L	49.39 ug/L	40.32 ug/L	48.8 ug/L	49.58 ug/L	49.25 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.79%	99.80%	99.75%	99.80%	99.80%	99.80%	99.75%
Fluridone (Herbicide)	Influent	72.54 ug/L	50.25 ug/L	87.52 ug/L	53.65 ug/L	53.62 ug/L	54.36 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.86%	99.80%	99.89%	99.81%	99.81%	99.82%	99.80%
Hexachlorobenze HCB (Fungicide)	Influent	50.58 ug/L	48.66 ug/L	62.11 ug/L	46.54 ug/L	51.25 ug/L	52.35 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.80%	99.79%	99.84%	99.79%	99.80%	99.81%	99.78%
Hexachlor-ocyclopentadiene (Pesticide)	Influent	48.55 ug/L	64.22 ug/L	79.28 ug/L	62.66 ug/L	52.45 ug/L	52.74 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.79%	99.84%	99.87%	99.84%	99.81%	99.81%	99.79%
Delta BHC (Lindane)	Influent	50.57 ug/L	48.65 ug/L	62.09 ug/L	46.53 ug/L	49.57 ug/L	51.24 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.80%	99.79%	99.84%	99.79%	99.80%	99.80%	99.78%
Porpachlor (Herbicide)	Influent	50.57 ug/L	48.65 ug/L	62.1 ug/L	46.53 ug/L	53.26 ug/L	52.36 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.80%	99.79%	99.84%	99.79%	99.81%	99.81%	99.78%
Molinate (Herbicide)	Influent	49.43 ug/L	33.59 ug/L	53.29 ug/L	58.24 ug/L	48.58 ug/L	49.61 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.80%	99.70%	99.81%	99.83%	99.79%	99.80%	99.66%
Alpha-BHC (Lindane)	Influent	50.57 ug/L	48.65 ug/L	62.09 ug/L	36.53 ug/L	49.65 ug/L	51.23 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.80%	99.79%	99.84%	99.73%	99.80%	99.80%	99.73%
Beta-BHC (Lindane)	Influent	45.15 ug/L	48.26 ug/L	40.05 ug/L	51.54 ug/L	51.42 ug/L	48.56 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.78%	99.79%	99.75%	99.81%	99.79%	99.79%	99.75%
Gama BHC (Lindane)	Influent	46.57 ug/L	38.31 ug/L	45.19 ug/L	49.57 ug/L	47.23 ug/L	48.52 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.79%	99.74%	99.78%	99.80%	99.79%	99.79%	99.79%

Contaminant Tested		10 UV	606 liters	1515 liters	2121 liters	2727 liters	3030 liters	Min. Efficiency throughout
Atrazine (Herbicide)	Influent	45.13 ug/L	48.26 ug/L	40.1 ug/L	51.54 ug/L	49.85 ug/L	48.58 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.78%	99.79%	99.75%	99.81%	99.80%	99.38%	99.38%
Simazine (Herbicide)	Influent	49.58 ug/L	48.05 ug/L	4.63 ug/L	44.7 ug/L	46.78 ug/L	49.85 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.80%	99.79%	99.85%	99.78%	99.79%	99.80%	99.74%
Metribuzin (Herbicide)	Influent	46.82 ug/L	49.68 ug/L	60.43 ug/L	47.82 ug/L	51.24 ug/L	50.24 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.79%	99.80%	99.83%	99.79%	99.80%	99.40%	99.40%
Heptachlor (Insecticide)	Influent	46.77 ug/L	41.83 ug/L	49.64 ug/L	65.19 ug/L	48.75 ug/L	50.24 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.79%	99.76%	99.80%	99.85%	99.79%	99.80%	99.35%
Metolachlor (Herbicide)	Influent	73.8 ug/L	49.86 ug/L	51.67 ug/L	45.53 ug/L	48.75 ug/L	49.52 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.86%	99.80%	99.81%	99.78%	99.79%	99.80%	99.78%
Butylate (Insecticide)	Influent	65.51 ug/L	89.98 ug/L	71.56 ug/L	109.3 ug/L	84.57 ug/L	70.45 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.85%	99.89%	99.86%	99.91%	99.88%	99.86%	99.85%
2,4-D (Herbicide)	Influent	49.75 ug/L	59.32 ug/L	40.02 ug/L	56.85 ug/L	51.45 ug/L	50.25 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.80%	99.83%	99.75%	99.82%	99.81%	99.80%	99.75%
Aldrin (Insecticide)	Influent	56.35 ug/L	56.04 ug/L	50.77 ug/L	51.42 ug/L	58.45 ug/L	54.12 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.82%	99.82%	99.80%	99.81%	99.83%	99.82%	99.80%
Heptachlor Epoxide (Insecticide)	Influent	111.31 ug/L	199.18 ug/L	97.85 ug/L	172.73 ug/L	130.25 ug/L	125.25 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.91%	99.95%	99.90%	99.94%	99.92%	99.92%	99.90%
Trans-Chlordane (Insecticide)	Influent	34.98 ug/L	50.77 ug/L	66.03 ug/L	42.99 ug/L	44.52 ug/L	48.57 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.71%	99.80%	99.85%	99.77%	99.78%	99.79%	99.71%
Butachlor (Herbicide)	Influent	95.18 ug/L	185.07 ug/L	165.73 ug/L	151.15 ug/L	130.25 ug/L	132.45 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.89%	99.95%	99.94%	99.93%	99.92%	99.92%	99.89%
Endosulfan I (Insecticide)	Influent	52.35 ug/L	48.92 ug/L	53.25 ug/L	42.9 ug/L	48.58 ug/L	49.57 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.81%	99.80%	99.81%	99.77%	99.79%	99.80%	99.75%
cis-Chlordane (Insecticide)	Influent	52.35 ug/L	51.23 ug/L	51.24 ug/L	52.24 ug/L	50.65 ug/L	51.45 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.81%	99.80%	99.80%	99.81%	99.80%	99.81%	99.80%
p,p'-DDE (Insecticide)	Influent	35.76 ug/L	66.82 ug/L	104.25 ug/L	71.76 ug/L	50.65 ug/L	51.45 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.72%	99.85%	99.90%	99.86%	99.80%	99.81%	99.72%
Dieldrin (Insecticide)	Influent	73.68 ug/L	105.07 ug/L	85.27 ug/L	85.77 ug/L	70.45 ug/L	65.58 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.86%	99.90%	99.88%	99.35%	99.86%	99.85%	99.35%

Contaminant Tested		10 UV	606 liters	1515 liters	2121 liters	2727 liters	3030 liters	Min. Efficiency throughout
Endrin (Insecticide)	Influent	59.72 ug/L	50.97 ug/L	62.56 ug/L	46.45 ug/L	49.58 ug/L	50.25 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.83%	99.80%	99.84%	99.78%	99.80%	99.80%	99.78%
Endosulfan II (Insecticide)	Influent	50.6 ug/L	53.49 ug/L	67.23 ug/L	49.8 ug/L	51.45 ug/L	50.32 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.80%	99.81%	99.85%	99.80%	99.81%	99.80%	99.80%
p,p'-DDD (Insecticide)	Influent	20.25 ug/L	21.56 ug/L	19.44 ug/L	19.45 ug/L	22.45 ug/L	24.85 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.51%	99.54%	99.49%	99.49%	99.55%	99.60%	99.49%
Endrin Aldehyde (Pesticide)	Influent	21.6 ug/L	29.9 ug/L	52.92 ug/L	30.32 ug/L	46.85 ug/L	42.85 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.54%	99.67%	99.81%	99.67%	99.79%	99.77%	99.54%
p,p'-DDT (Insecticide)	Influent	22.18 ug/L	33.36 ug/L	57.83 ug/L	33.22 ug/L	30.52 ug/L	31.45 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.55%	99.70%	99.83%	99.70%	99.67%	99.68%	99.55%
Endosulfan Sulfate (Insecticide)	Influent	37.86 ug/L	53.66 ug/L	93.49 ug/L	54.26 ug/L	52.45 ug/L	53.65 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.74%	98.42%	99.89%	99.82%	99.81%	99.81%	98.42%
Endrin Ketone (Insecticide)	Influent	65.25 ug/L	68.53 ug/L	52.03 ug/L	51.56 ug/L	50.85 ug/L	51.98 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.85%	99.85%	99.81%	99.81%	99.80%	99.81%	99.80%
Methoxychlor (Insecticide)	Influent	111.41 ug/L	119.63 ug/L	108.38 ug/L	131.58 ug/L	124.56 ug/L	120.45 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.91%	99.92%	99.91%	99.92%	99.92%	99.92%	99.91%
Bromacil (Herbicide)	Influent	115.53 ug/L	113.43 ug/L	213.44 ug/L	130.91 ug/L	120.58 ug/L	121.85 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.91%	99.91%	99.95%	99.92%	99.92%	99.92%	99.91%
Carbofuran (Insecticide)	Influent	36.49 ug/L	58.34 ug/L	59.5 ug/L	76.89 ug/L	52.85 ug/L	59.62 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.73%	99.83%	99.83%	99.87%	99.81%	99.83%	99.73%
Chlorneb (Fungicide)	Influent	47.55 ug/L	67.64 ug/L	81.61 ug/L	58.55 ug/L	58.95 ug/L	50.45 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.79%	99.85%	99.88%	99.83%	99.83%	99.80%	99.79%
Chlorothalonil (Fungicide)	Influent	75.42 ug/L	49.87 ug/L	73.9 ug/L	66.86 ug/L	52.85 ug/L	50.48 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.87%	99.80%	99.86%	99.85%	99.81%	99.80%	99.80%
Chloropropane (Chlorinated hydrocarbon)	Influent	33.89 ug/L	19.16 ug/L	60.22 ug/L	69.57 ug/L	53.45 ug/L	50.51 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.70%	99.48%	99.83%	99.86%	99.81%	99.80%	99.48%
Chlorpyrifos (Insecticide)	Influent	49.76 ug/L	49.7 ug/L	54.93 ug/L	53.4 ug/L	51.52 ug/L	51.58 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.80%	99.80%	99.82%	99.81%	99.81%	99.81%	99.77%
Cyanazine (Herbicide)	Influent	45.71 ug/L	41.77 ug/L	69.26 ug/L	41.53 ug/L	51.78 ug/L	52.65 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.78%	99.76%	99.86%	99.76%	99.81%	99.81%	99.76%

Contaminant Tested		10 UV	606 liters	1515 liters	2121 liters	2727 liters	3030 liters	Min. Efficiency throughout
Dichlorvos (Insecticide)	Influent	50.23 ug/L	63.21 ug/L	121.79 ug/L	51.86 ug/L	54.03 ug/L	51.35 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.80%	99.84%	99.92%	99.81%	99.81%	99.81%	99.80%
Diphenamid (Herbicide)	Influent	36.83 ug/L	49.3 ug/L	71.24 ug/L	61.16 ug/L	53.65 ug/L	52.05 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.73%	99.80%	99.86%	99.84%	99.81%	99.81%	99.73%
Disulfoton (Insecticide)	Influent	15.72 ug/L	19.62 ug/L	76.14 ug/L	26.09 ug/L	20.63 ug/L	20.51 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.36%	99.49%	99.87%	99.62%	99.52%	99.51%	99.36%
Fenamiphos (Pesticide)	Influent	56.43 ug/L	69.56 ug/L	70.27 ug/L	45.84 ug/L	49.85 ug/L	48.57 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.82%	99.86%	99.86%	99.78%	99.80%	99.79%	99.76%
Fenarimol (Fungicide)	Influent	34.48 ug/L	53.37 ug/L	76.16 ug/L	56.4 ug/L	50.05 ug/L	51.35 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.71%	99.81%	99.87%	99.82%	99.80%	99.81%	99.71%
Ethoprop (Insecticide)	Influent	51.54 ug/L	71.97 ug/L	62.67 ug/L	74.02 ug/L	60.25 ug/L	63.32 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.81%	99.86%	99.84%	99.86%	99.83%	99.84%	99.81%
Toxaphene (Insecticide)	Influent	36.65 ug/L	39.89 ug/L	73.32 ug/L	39.56 ug/L	46.36 ug/L	43.52 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.73%	99.75%	99.86%	99.75%	99.78%	99.77%	99.73%
PCB's (org. Toxin)	Influent	10.25 ug/L	12.42 ug/L	10.45 ug/L	10.35 ug/L	11.98 ug/L	11.75 ug/L	
	Filtered	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reduction	99.02%	99.19%	99.04%	99.03%	99.17%	99.15%	98.93%

Chlorine Test Results

Accumulated Volume	Influent Chlorine	Effluent Chlorine	% Reduction
10 UV	1.90 mg/L	<0.01	99.47%
303 Liter	2.20 mg/L	<0.01	99.55%
606 liter	1.80 mg/L	<0.01	99.44%
909 Liter	1.90 mg/L	<0.01	99.47%
1212 Liter	1.80 mg/L	<0.01	99.44%
1515 Liter	1.80 mg/L	<0.01	99.44%
1818 Liter	1.80 mg/L	<0.01	99.44%
2121 Liter	2.00 mg/L	<0.01	99,50%
2424 Liter	2.40 mg/L	<0.01	99,55%
2727 Liter	1.80 mg/l	<0.01	99.44%
3030 Liter	1.80 mg/l	<0.01	99.44%

Results:

The filters provided >98.9% filtration efficiency of all contaminants throughout the testing.

CERTIFICATION OF RESULTS:

I certify in writing that all analyses, and reporting performed herein, comply with all requirements set forth in N.J.A.C. 7:9E and N.J.A.C. 7:18, and hereby certify that this laboratory is in compliance with all laboratory certification and quality control procedures and requirements as set forth in N.J.A.C. 7:18; the NYCRR Subpart 55-2, the National Environmental Laboratory Accreditation Conference (NELAC) Institute Standards, and the ISO 17025.

Disclaimer: The test results are only related to the filter cartridges tested, in the condition received at the laboratory.

Jaime Young

Lab Director

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EPA ID # NJ01298 NJ DEP ID # 03048 IAPMO ID #102

Il s'agit d'une traduction. Ce n'est pas un original.

RAPPORT D'ESSAI EN LABORATOIRE pour le fabricant du

Super Sterasyl

**COMPOSANT DE
SYSTÈMES DE FILTRATION D'EAU DE**

**YVE-BIO
27628 HAGEN IM BREMISCHEN, ALLEMAGNE**

RAPPORT D'ANALYSE DE L'EAU : Super Sterasyl

Report # 19-119

Date du rapport de laboratoire : 20.06.2019

Introduction

Le rapport de test suivant résume les performances du Super Sterasyl testé sous gravité avec une gamme de pesticides et de contaminants chlorés jusqu'à une capacité de 3030 litres. Les efficacités d'entrée, de sortie et de filtration pour chaque contaminant ont été mesurées tout au long du test et enregistrées dans les tableaux de résultats suivants.

Testé pour les substances nocives		10 UV	606 litres	1515 litres	2121 litres	2727 litres	3030 litres	Minimum Efficacité globale
Glyphosate (Herbicide, Roundup)	Supplément	810.2 ug/L	803.4 ug/L	804.8 ug/L	806.8 ug/L	803.6 ug/L	804.9 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.99%	99.99%	99.99%	99.99%	99.96%	99.94%	99.94%
Alachlor (Herbicide)	Supplément	48.25 ug/L	49.39 ug/L	40.32 ug/L	48.8 ug/L	49.58 ug/L	49.25 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.79%	99.80%	99.75%	99.80%	99.80%	99.80%	99.75%
Fluridon (Herbicide)	Supplément	72.54 ug/L	50.25 ug/L	87.52 ug/L	53.65 ug/L	53.62 ug/L	54.36 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.86%	99.80%	99.89%	99.81%	99.81%	99.82%	99.80%
Hexachlorbenzol HCB (Fongicide)	Supplément	50.58 ug/L	48.66 ug/L	62.11 ug/L	46.54 ug/L	51.25 ug/L	52.35 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.80%	99.79%	99.84%	99.79%	99.80%	99.81%	99.78%
Hexachlor-ocyclopentadiene (Pesticide)	Supplément	48.55 ug/L	64.22 ug/L	79.28 ug/L	62.66 ug/L	52.45 ug/L	52.74 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.79%	99.84%	99.87%	99.84%	99.81%	99.81%	99.79%
Delta BHC (Lindane)	Supplément	50.57 ug/L	48.65 ug/L	62.09 ug/L	46.53 ug/L	49.57 ug/L	51.24 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.80%	99.79%	99.84%	99.79%	99.80%	99.80%	99.78%
Porpachlor (Herbicide)	Supplément	50.57 ug/L	48.65 ug/L	62.1 ug/L	46.53 ug/L	53.26 ug/L	52.36 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.80%	99.79%	99.84%	99.79%	99.81%	99.81%	99.78%
Molinat (Herbicide)	Supplément	49.43 ug/L	33.59 ug/L	53.29 ug/L	58.24 ug/L	48.58 ug/L	49.61 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.80%	99.70%	99.81%	99.83%	99.79%	99.80%	99.66%
Alpha-BHC (Lindane)	Supplément	50.57 ug/L	48.65 ug/L	62.09 ug/L	36.53 ug/L	49.65 ug/L	51.23 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.80%	99.79%	99.84%	99.73%	99.80%	99.80%	99.73%
Beta-BHC (Lindane)	Supplément	45.15 ug/L	48.26 ug/L	40.05 ug/L	51.54 ug/L	51.42 ug/L	48.56 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.78%	99.79%	99.75%	99.81%	99.79%	99.79%	99.75%
Gamma BHC (Lindane)	Supplément	46.57 ug/L	38.31 ug/L	45.19 ug/L	49.57 ug/L	47.23 ug/L	48.52 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.79%	99.74%	99.78%	99.80%	99.79%	99.79%	99.79%

Testé pour les substances nocives		10 UV	606 litres	1515 litres	2121 litres	2727 litres	3030 litres	Minimum Efficacité globale
Atrazin (Herbicide)	Supplément	45.13 ug/L	48.26 ug/L	40.1 ug/L	51.54 ug/L	49.85 ug/L	48.58 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.78%	99.79%	99.75%	99.81%	99.80%	99.38%	99.38%
Simazin (Herbicide)	Supplément	49.58 ug/L	48.05 ug/L	4.63 ug/L	44.7 ug/L	46.78 ug/L	49.85 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.80%	99.79%	99.85%	99.78%	99.79%	99.80%	99.74%
Metribuzin (Herbicide)	Supplément	46.82 ug/L	49.68 ug/L	60.43 ug/L	47.82 ug/L	51.24 ug/L	50.24 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.79%	99.80%	99.83%	99.79%	99.80%	99.40%	99.40%
Heptachlor (Insecticide)	Supplément	46.77 ug/L	41.83 ug/L	49.64 ug/L	65.19 ug/L	48.75 ug/L	50.24 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.79%	99.76%	99.80%	99.85%	99.79%	99.80%	99.35%
Metolachlor (Herbicide)	Supplément	73.8 ug/L	49.86 ug/L	51.67 ug/L	45.53 ug/L	48.75 ug/L	49.52 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.86%	99.80%	99.81%	99.78%	99.79%	99.80%	99.78%
Butylat (Insecticide)	Supplément	65.51 ug/L	89.98 ug/L	71.56 ug/L	109.3 ug/L	84.57 ug/L	70.45 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.85%	99.89%	99.86%	99.91%	99.88%	99.86%	99.85%
2,4-D (Herbicide)	Supplément	49.75 ug/L	59.32 ug/L	40.02 ug/L	56.85 ug/L	51.45 ug/L	50.25 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.80%	99.83%	99.75%	99.82%	99.81%	99.80%	99.75%
Aldrin (Insecticide)	Supplément	56.35 ug/L	56.04 ug/L	50.77 ug/L	51.42 ug/L	58.45 ug/L	54.12 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.82%	99.82%	99.80%	99.81%	99.83%	99.82%	99.80%
Heptachlorepoix (Insecticide)	Supplément	111.31 ug/L	199.18 ug/L	97.85 ug/L	172.73 ug/L	130.25 ug/L	125.25 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.91%	99.95%	99.90%	99.94%	99.92%	99.92%	99.90%
Trans-Chlordan (Insecticide)	Supplément	34.98 ug/L	50.77 ug/L	66.03 ug/L	42.99 ug/L	44.52 ug/L	48.57 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.71%	99.80%	99.85%	99.77%	99.78%	99.79%	99.71%
Butachlor (Herbicide)	Supplément	95.18 ug/L	185.07 ug/L	165.73 ug/L	151.15 ug/L	130.25 ug/L	132.45 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.89%	99.95%	99.94%	99.93%	99.92%	99.92%	99.89%
Endosulfan I (Insecticide)	Supplément	52.35 ug/L	48.92 ug/L	53.25 ug/L	42.9 ug/L	48.58 ug/L	49.57 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.81%	99.80%	99.81%	99.77%	99.79%	99.80%	99.75%
cis-Chlordan (Insecticide)	Supplément	52.35 ug/L	51.23 ug/L	51.24 ug/L	52.24 ug/L	50.65 ug/L	51.45 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.81%	99.80%	99.80%	99.81%	99.80%	99.81%	99.80%
p,p'-DDE (Insecticide)	Supplément	35.76 ug/L	66.82 ug/L	104.25 ug/L	71.76 ug/L	50.65 ug/L	51.45 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.72%	99.85%	99.90%	99.86%	99.80%	99.81%	99.72%
Dieldrin (Insecticide)	Supplément	73.68 ug/L	105.07 ug/L	85.27 ug/L	85.77 ug/L	70.45 ug/L	65.58 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.86%	99.90%	99.88%	99.35%	99.86%	99.85%	99.35%

Testé pour les substances nocives		10 UV	606 litres	1515 litres	2121 litres	2727 litres	3030 litres	Minimum Efficacité globale
Endrin (Insecticide)	Supplément	59.72 ug/L	50.97 ug/L	62.56 ug/L	46.45 ug/L	49.58 ug/L	50.25 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.83%	99.80%	99.84%	99.78%	99.80%	99.80%	99.78%
Endosulfan II (Insecticide)	Supplément	50.6 ug/L	53.49 ug/L	67.23 ug/L	49.8 ug/L	51.45 ug/L	50.32 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.80%	99.81%	99.85%	99.80%	99.81%	99.80%	99.80%
p,p'-DDD (Insecticide)	Supplément	20.25 ug/L	21.56 ug/L	19.44 ug/L	19.45 ug/L	22.45 ug/L	24.85 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.51%	99.54%	99.49%	99.49%	99.55%	99.60%	99.49%
Endrin Aldehyde (Pesticide)	Supplément	21.6 ug/L	29.9 ug/L	52.92 ug/L	30.32 ug/L	46.85 ug/L	42.85 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.54%	99.67%	99.81%	99.67%	99.79%	99.77%	99.54%
p,p'-DDT (Insecticide)	Supplément	22.18 ug/L	33.36 ug/L	57.83 ug/L	33.22 ug/L	30.52 ug/L	31.45 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.55%	99.70%	99.83%	99.70%	99.67%	99.68%	99.55%
Endosulfan Sulfate (Insecticide)	Supplément	37.86 ug/L	53.66 ug/L	93.49 ug/L	54.26 ug/L	52.45 ug/L	53.65 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.74%	98.42%	99.89%	99.82%	99.81%	99.81%	98.42%
Endrin Ketone (Insecticide)	Supplément	65.25 ug/L	68.53 ug/L	52.03 ug/L	51.56 ug/L	50.85 ug/L	51.98 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.85%	99.85%	99.81%	99.81%	99.80%	99.81%	99.80%
Methoxychlor (Insecticide)	Supplément	111.41 ug/L	119.63 ug/L	108.38 ug/L	131.58 ug/L	124.56 ug/L	120.45 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.91%	99.92%	99.91%	99.92%	99.92%	99.92%	99.91%
Bromacil (Herbicide)	Supplément	115.53 ug/L	113.43 ug/L	213.44 ug/L	130.91 ug/L	120.58 ug/L	121.85 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.91%	99.91%	99.95%	99.92%	99.92%	99.92%	99.91%
Carbofuran (Insecticide)	Supplément	36.49 ug/L	58.34 ug/L	59.5 ug/L	76.89 ug/L	52.85 ug/L	59.62 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.73%	99.83%	99.83%	99.87%	99.81%	99.83%	99.73%
Chloroneb (Fongicide)	Supplément	47.55 ug/L	67.64 ug/L	81.61 ug/L	58.55 ug/L	58.95 ug/L	50.45 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.79%	99.85%	99.88%	99.83%	99.83%	99.80%	99.79%
Chlorothalonil (Fongicide)	Supplément	75.42 ug/L	49.87 ug/L	73.9 ug/L	66.86 ug/L	52.85 ug/L	50.48 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.87%	99.80%	99.86%	99.85%	99.81%	99.80%	99.80%
Chloropropan (Hydrocarbure chloré)	Supplément	33.89 ug/L	19.16 ug/L	60.22 ug/L	69.57 ug/L	53.45 ug/L	50.51 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.70%	99.48%	99.83%	99.86%	99.81%	99.80%	99.48%
Chlorpyrifos (Insecticide)	Supplément	49.76 ug/L	49.7 ug/L	54.93 ug/L	53.4 ug/L	51.52 ug/L	51.58 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.80%	99.80%	99.82%	99.81%	99.81%	99.81%	99.77%
Cyanazin (Herbicide)	Supplément	45.71 ug/L	41.77 ug/L	69.26 ug/L	41.53 ug/L	51.78 ug/L	52.65 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.78%	99.76%	99.86%	99.76%	99.81%	99.81%	99.76%

Testé pour les substances nocives		10 UV	606 litres	1515 litres	2121 litres	2727 litres	3030 litres	Minimum Efficacité globale
Dichlorvos (Insecticide)	Supplément	50.23 ug/L	63.21 ug/L	121.79 ug/L	51.86 ug/L	54.03 ug/L	51.35 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.80%	99.84%	99.92%	99.81%	99.81%	99.81%	99.80%
Diphenamid (Herbicide)	Supplément	36.83 ug/L	49.3 ug/L	71.24 ug/L	61.16 ug/L	53.65 ug/L	52.05 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.73%	99.80%	99.86%	99.84%	99.81%	99.81%	99.73%
Disulfoton (Insecticide)	Supplément	15.72 ug/L	19.62 ug/L	76.14 ug/L	26.09 ug/L	20.63 ug/L	20.51 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.36%	99.49%	99.87%	99.62%	99.52%	99.51%	99.36%
Fenamiphos (Pesticide)	Supplément	56.43 ug/L	69.56 ug/L	70.27 ug/L	45.84 ug/L	49.85 ug/L	48.57 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.82%	99.86%	99.86%	99.78%	99.80%	99.79%	99.76%
Fenarimol (Fongicide)	Supplément	34.48 ug/L	53.37 ug/L	76.16 ug/L	56.4 ug/L	50.05 ug/L	51.35 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.71%	99.81%	99.87%	99.82%	99.80%	99.81%	99.71%
Ethoprop (Insecticide)	Supplément	51.54 ug/L	71.97 ug/L	62.67 ug/L	74.02 ug/L	60.25 ug/L	63.32 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.81%	99.86%	99.84%	99.86%	99.83%	99.84%	99.81%
Toxaphene (Insecticide)	Supplément	36.65 ug/L	39.89 ug/L	73.32 ug/L	39.56 ug/L	46.36 ug/L	43.52 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.73%	99.75%	99.86%	99.75%	99.78%	99.77%	99.73%
PCB's (org. Toxic)	Supplément	10.25 ug/L	12.42 ug/L	10.45 ug/L	10.35 ug/L	11.98 ug/L	11.75 ug/L	
	filtré	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Réduction	99.02%	99.19%	99.04%	99.03%	99.17%	99.15%	98.93%

Résultats des tests de chlore

Volume accumulé	Chlore ajouté	Effluent Chlore	Réduction en %
10 UV	1.90 mg/L	<0.01	99.47%
303 litres	2.20 mg/L	<0.01	99.55%
606 litres	1.80 mg/L	<0.01	99.44%
909 litres	1.90 mg/L	<0.01	99.47%
1212 litres	1.80 mg/L	<0.01	99.44%
1515 litres	1.80 mg/L	<0.01	99.44%
1818 litres	1.80 mg/L	<0.01	99.44%
2121 litres	2.00 mg/L	<0.01	99,50%
2424 litres	2.40 mg/L	<0.01	99,55%
2727 litres	1.80 mg/l	<0.01	99.44%
3030 litres	1.80 mg/l	<0.01	99.44%

Résultats :

Les filtres ont fourni une efficacité de filtration de > 98,9 % pour tous les contaminants pendant le test.

CERTIFICATION DES RÉSULTATS :

Je certifie par la présente par écrit que toutes les analyses et tous les rapports effectués ici sont conformes à toutes les exigences énoncées dans N.J.A.C. 7:9E et N.J.A.C. 7:18, et je certifie par la présente que ce laboratoire est conforme à toutes les procédures et exigences de certification et de contrôle de la qualité des laboratoires énoncées dans N.J.A.C. 07.18, NYCRR Subpart 55-2, les normes institutionnelles de la National Environmental Laboratory Accreditation Conference (NELAC) et ISO 17025.

Exclusion de responsabilité :

Les résultats des tests se rapportent exclusivement aux cartouches filtrantes testées dans l'état dans lequel elles ont été reçues au laboratoire.

Jaime Young

Jaime Young
Directeur de laboratoire

QFT LABORATORY, LLC.

Williamstown, New Jersey
www.enviroteklab.com

EPA ID # NJ01298 NJ DEP ID # 03048 IAPMO ID #102

Questa è una traduzione. Questo non è un originale.

RAPPORTO DI TEST DI LABORATORIO per il produttore del

Super Sterasyl

**COMPONENTE DI
SISTEMI DI FILTRAGGIO DELL'ACQUA DI**

**YVE-BIO
27628 HAGEN IM BREMISCHEN, GERMANIA**

RAPPORTO SUL TEST DELL'ACQUA: Super Sterasyl

Report # 19-119

Data del rapporto di laboratorio: 20.06.2019

Introduzione

Il seguente rapporto di prova riassume le prestazioni del Super Sterasyl testato sotto gravità con una gamma di pesticidi e contaminanti di cloro fino a una capacità di 3030 litri. Le efficienze di entrata, uscita e filtrazione per ogni contaminante sono state misurate durante il test e registrate nelle seguenti tabelle dei risultati.

testato per sostanze nocive		10 UV	606 litri	1515 litri	2121 litri	2727 litri	3030 litri	Minimo Totale efficienza
Glyphosat (Herbicide, Roundup)	Aggiungi	810.2 ug/L	803.4 ug/L	804.8 ug/L	806.8 ug/L	803.6 ug/L	804.9 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.99%	99.99%	99.99%	99.99%	99.96%	99.94%	99.94%
Alachlor (Herbicide)	Aggiungi	48.25 ug/L	49.39 ug/L	40.32 ug/L	48.8 ug/L	49.58 ug/L	49.25 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.79%	99.80%	99.75%	99.80%	99.80%	99.80%	99.75%
Fluridon (Herbicide)	Aggiungi	72.54 ug/L	50.25 ug/L	87.52 ug/L	53.65 ug/L	53.62 ug/L	54.36 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.86%	99.80%	99.89%	99.81%	99.81%	99.82%	99.80%
Hexachlorbenzol HCB (Fungicida)	Aggiungi	50.58 ug/L	48.66 ug/L	62.11 ug/L	46.54 ug/L	51.25 ug/L	52.35 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.80%	99.79%	99.84%	99.79%	99.80%	99.81%	99.78%
Hexachlor-ocyclopentadiene (Pesticida)	Aggiungi	48.55 ug/L	64.22 ug/L	79.28 ug/L	62.66 ug/L	52.45 ug/L	52.74 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.79%	99.84%	99.87%	99.84%	99.81%	99.81%	99.79%
Delta BHC (Lindano)	Aggiungi	50.57 ug/L	48.65 ug/L	62.09 ug/L	46.53 ug/L	49.57 ug/L	51.24 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.80%	99.79%	99.84%	99.79%	99.80%	99.80%	99.78%
Porpachlor (Herbicide)	Aggiungi	50.57 ug/L	48.65 ug/L	62.1 ug/L	46.53 ug/L	53.26 ug/L	52.36 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.80%	99.79%	99.84%	99.79%	99.81%	99.81%	99.78%
Molinat (Herbicide)	Aggiungi	49.43 ug/L	33.59 ug/L	53.29 ug/L	58.24 ug/L	48.58 ug/L	49.61 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.80%	99.70%	99.81%	99.83%	99.79%	99.80%	99.66%
Alpha-BHC (Lindano)	Aggiungi	50.57 ug/L	48.65 ug/L	62.09 ug/L	36.53 ug/L	49.65 ug/L	51.23 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.80%	99.79%	99.84%	99.73%	99.80%	99.80%	99.73%
Beta-BHC (Lindano)	Aggiungi	45.15 ug/L	48.26 ug/L	40.05 ug/L	51.54 ug/L	51.42 ug/L	48.56 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.78%	99.79%	99.75%	99.81%	99.79%	99.79%	99.75%
Gamma BHC (Lindano)	Aggiungi	46.57 ug/L	38.31 ug/L	45.19 ug/L	49.57 ug/L	47.23 ug/L	48.52 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.79%	99.74%	99.78%	99.80%	99.79%	99.79%	99.79%

testato per sostanze nocive		10 UV	606 litri	1515 litri	2121 litri	2727 litri	3030 litri	Min. Totale efficienza
Atrazin (Herbicide)	Aggiungi	45.13 ug/L	48.26 ug/L	40.1 ug/L	51.54 ug/L	49.85 ug/L	48.58 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.78%	99.79%	99.75%	99.81%	99.80%	99.38%	99.38%
Simazin (Herbicide)	Aggiungi	49.58 ug/L	48.05 ug/L	4.63 ug/L	44.7 ug/L	46.78 ug/L	49.85 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.80%	99.79%	99.85%	99.78%	99.79%	99.80%	99.74%
Metribuzin (Herbicide)	Aggiungi	46.82 ug/L	49.68 ug/L	60.43 ug/L	47.82 ug/L	51.24 ug/L	50.24 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.79%	99.80%	99.83%	99.79%	99.80%	99.40%	99.40%
Heptachlor (Insetticida)	Aggiungi	46.77 ug/L	41.83 ug/L	49.64 ug/L	65.19 ug/L	48.75 ug/L	50.24 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.79%	99.76%	99.80%	99.85%	99.79%	99.80%	99.35%
Metolachlor (Herbicide)	Aggiungi	73.8 ug/L	49.86 ug/L	51.67 ug/L	45.53 ug/L	48.75 ug/L	49.52 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.86%	99.80%	99.81%	99.78%	99.79%	99.80%	99.78%
Butylat (Insetticida)	Aggiungi	65.51 ug/L	89.98 ug/L	71.56 ug/L	109.3 ug/L	84.57 ug/L	70.45 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.85%	99.89%	99.86%	99.91%	99.88%	99.86%	99.85%
2,4-D (Herbicide)	Aggiungi	49.75 ug/L	59.32 ug/L	40.02 ug/L	56.85 ug/L	51.45 ug/L	50.25 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.80%	99.83%	99.75%	99.82%	99.81%	99.80%	99.75%
Aldrin (Insetticida)	Aggiungi	56.35 ug/L	56.04 ug/L	50.77 ug/L	51.42 ug/L	58.45 ug/L	54.12 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.82%	99.82%	99.80%	99.81%	99.83%	99.82%	99.80%
Heptachlorepoixid (Insetticida)	Aggiungi	111.31 ug/L	199.18 ug/L	97.85 ug/L	172.73 ug/L	130.25 ug/L	125.25 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.91%	99.95%	99.90%	99.94%	99.92%	99.92%	99.90%
Trans-Chlordan (Insetticida)	Aggiungi	34.98 ug/L	50.77 ug/L	66.03 ug/L	42.99 ug/L	44.52 ug/L	48.57 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.71%	99.80%	99.85%	99.77%	99.78%	99.79%	99.71%
Butachlor (Herbicide)	Aggiungi	95.18 ug/L	185.07 ug/L	165.73 ug/L	151.15 ug/L	130.25 ug/L	132.45 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.89%	99.95%	99.94%	99.93%	99.92%	99.92%	99.89%
Endosulfan I (Insetticida)	Aggiungi	52.35 ug/L	48.92 ug/L	53.25 ug/L	42.9 ug/L	48.58 ug/L	49.57 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.81%	99.80%	99.81%	99.77%	99.79%	99.80%	99.75%
cis-Chlordan (Insetticida)	Aggiungi	52.35 ug/L	51.23 ug/L	51.24 ug/L	52.24 ug/L	50.65 ug/L	51.45 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.81%	99.80%	99.80%	99.81%	99.80%	99.81%	99.80%
p,p'-DDE (Insetticida)	Aggiungi	35.76 ug/L	66.82 ug/L	104.25 ug/L	71.76 ug/L	50.65 ug/L	51.45 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.72%	99.85%	99.90%	99.86%	99.80%	99.81%	99.72%
Dieldrin (Insetticida)	Aggiungi	73.68 ug/L	105.07 ug/L	85.27 ug/L	85.77 ug/L	70.45 ug/L	65.58 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.86%	99.90%	99.88%	99.35%	99.86%	99.85%	99.35%

testato per sostanze nocive		10 UV	606 litri	1515 litri	2121 litri	2727 litri	3030 litri	Min. Totale efficienza
Endrin (Insetticida)	Aggiungi	59.72 ug/L	50.97 ug/L	62.56 ug/L	46.45 ug/L	49.58 ug/L	50.25 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.83%	99.80%	99.84%	99.78%	99.80%	99.80%	99.78%
Endosulfan II (Insetticida)	Aggiungi	50.6 ug/L	53.49 ug/L	67.23 ug/L	49.8 ug/L	51.45 ug/L	50.32 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.80%	99.81%	99.85%	99.80%	99.81%	99.80%	99.80%
p,p'-DDD (Insetticida)	Aggiungi	20.25 ug/L	21.56 ug/L	19.44 ug/L	19.45 ug/L	22.45 ug/L	24.85 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.51%	99.54%	99.49%	99.49%	99.55%	99.60%	99.49%
Endrin Aldehyde (Pesticida)	Aggiungi	21.6 ug/L	29.9 ug/L	52.92 ug/L	30.32 ug/L	46.85 ug/L	42.85 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.54%	99.67%	99.81%	99.67%	99.79%	99.77%	99.54%
p,p'-DDT (Insetticida)	Aggiungi	22.18 ug/L	33.36 ug/L	57.83 ug/L	33.22 ug/L	30.52 ug/L	31.45 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.55%	99.70%	99.83%	99.70%	99.67%	99.68%	99.55%
Endosulfan Sulfate (Insetticida)	Aggiungi	37.86 ug/L	53.66 ug/L	93.49 ug/L	54.26 ug/L	52.45 ug/L	53.65 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.74%	98.42%	99.89%	99.82%	99.81%	99.81%	98.42%
Endrin Ketone (Insetticida)	Aggiungi	65.25 ug/L	68.53 ug/L	52.03 ug/L	51.56 ug/L	50.85 ug/L	51.98 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.85%	99.85%	99.81%	99.81%	99.80%	99.81%	99.80%
Methoxychlor (Insetticida)	Aggiungi	111.41 ug/L	119.63 ug/L	108.38 ug/L	131.58 ug/L	124.56 ug/L	120.45 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.91%	99.92%	99.91%	99.92%	99.92%	99.92%	99.91%
Bromacil (Herbicide)	Aggiungi	115.53 ug/L	113.43 ug/L	213.44 ug/L	130.91 ug/L	120.58 ug/L	121.85 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.91%	99.91%	99.95%	99.92%	99.92%	99.92%	99.91%
Carbofuran (Insetticida)	Aggiungi	36.49 ug/L	58.34 ug/L	59.5 ug/L	76.89 ug/L	52.85 ug/L	59.62 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.73%	99.83%	99.83%	99.87%	99.81%	99.83%	99.73%
Chloroneb (Fungicida)	Aggiungi	47.55 ug/L	67.64 ug/L	81.61 ug/L	58.55 ug/L	58.95 ug/L	50.45 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.79%	99.85%	99.88%	99.83%	99.83%	99.80%	99.79%
Chlorothalonil (Fungicida)	Aggiungi	75.42 ug/L	49.87 ug/L	73.9 ug/L	66.86 ug/L	52.85 ug/L	50.48 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.87%	99.80%	99.86%	99.85%	99.81%	99.80%	99.80%
Chlorpropan (Idrocarburo clorato)	Aggiungi	33.89 ug/L	19.16 ug/L	60.22 ug/L	69.57 ug/L	53.45 ug/L	50.51 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.70%	99.48%	99.83%	99.86%	99.81%	99.80%	99.48%
Chlorpyrifos (Insetticida)	Aggiungi	49.76 ug/L	49.7 ug/L	54.93 ug/L	53.4 ug/L	51.52 ug/L	51.58 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.80%	99.80%	99.82%	99.81%	99.81%	99.81%	99.77%
Cyanazin (Herbicide)	Aggiungi	45.71 ug/L	41.77 ug/L	69.26 ug/L	41.53 ug/L	51.78 ug/L	52.65 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.78%	99.76%	99.86%	99.76%	99.81%	99.81%	99.76%

testato per sostanze nocive		10 UV	606 litri	1515 litri	2121 litri	2727 litri	3030 litri	Minimo Totale efficienza
Dichlorvos (Insetticida)	Aggiungi	50.23 ug/L	63.21 ug/L	121.79 ug/L	51.86 ug/L	54.03 ug/L	51.35 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.80%	99.84%	99.92%	99.81%	99.81%	99.81%	99.80%
Diphenamid (Herbicide)	Aggiungi	36.83 ug/L	49.3 ug/L	71.24 ug/L	61.16 ug/L	53.65 ug/L	52.05 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.73%	99.80%	99.86%	99.84%	99.81%	99.81%	99.73%
Disulfoton (Insetticida)	Aggiungi	15.72 ug/L	19.62 ug/L	76.14 ug/L	26.09 ug/L	20.63 ug/L	20.51 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.36%	99.49%	99.87%	99.62%	99.52%	99.51%	99.36%
Fenamiphos (Pesticida)	Aggiungi	56.43 ug/L	69.56 ug/L	70.27 ug/L	45.84 ug/L	49.85 ug/L	48.57 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.82%	99.86%	99.86%	99.78%	99.80%	99.79%	99.76%
Fenarimol (Fungicida)	Aggiungi	34.48 ug/L	53.37 ug/L	76.16 ug/L	56.4 ug/L	50.05 ug/L	51.35 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.71%	99.81%	99.87%	99.82%	99.80%	99.81%	99.71%
Ethoprop (Insetticida)	Aggiungi	51.54 ug/L	71.97 ug/L	62.67 ug/L	74.02 ug/L	60.25 ug/L	63.32 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.81%	99.86%	99.84%	99.86%	99.83%	99.84%	99.81%
Toxaphene (Insetticida)	Aggiungi	36.65 ug/L	39.89 ug/L	73.32 ug/L	39.56 ug/L	46.36 ug/L	43.52 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.73%	99.75%	99.86%	99.75%	99.78%	99.77%	99.73%
PCB's (tossina organica)	Aggiungi	10.25 ug/L	12.42 ug/L	10.45 ug/L	10.35 ug/L	11.98 ug/L	11.75 ug/L	
	filtrato	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Riduzione	99.02%	99.19%	99.04%	99.03%	99.17%	99.15%	98.93%

Risultati del test del cloro

Volume accumulato	Cloro aggiunto	Effluente di cloro	Riduzione in %
10 UV	1.90 mg/L	<0.01	99.47%
303 litri	2.20 mg/L	<0.01	99.55%
606 litri	1.80 mg/L	<0.01	99.44%
909 litri	1.90 mg/L	<0.01	99.47%
1212 litri	1.80 mg/L	<0.01	99.44%
1515 litri	1.80 mg/L	<0.01	99.44%
1818 litri	1.80 mg/L	<0.01	99.44%
2121 litri	2.00 mg/L	<0.01	99,50%
2424 litri	2.40 mg/L	<0.01	99,55%
2727 litri	1.80 mg/l	<0.01	99.44%
3030 litri	1.80 mg/l	<0.01	99.44%

RISULTATI:

I filtri hanno fornito un'efficienza di filtrazione > 98,9% per tutti i contaminanti durante il test.

CERTIFICAZIONE DEI RISULTATI:

Con la presente dichiaro per iscritto che tutte le analisi e i rapporti qui eseguiti sono conformi a tutti i requisiti stabiliti nel N.J.A.C. 7:9E e nel N.J.A.C. 7:18, e dichiaro che questo laboratorio è conforme a tutte le procedure di certificazione e controllo della qualità del laboratorio e ai requisiti stabiliti nel N.J.A.C. 07.18, nel NYCRR Subpart 55-2, negli standard istituzionali della National Environmental Laboratory Accreditation Conference (NELAC) e nell'ISO 17025.

Disclaimer: I risultati dei test si riferiscono esclusivamente alle cartucce filtranti testate nelle condizioni in cui sono state ricevute in laboratorio.



Jaime Young
Direttore di laboratorio

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Williamstown, New Jersey
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EPA ID # NJ01298 NJ DEP ID # 03048 IAPMO ID #102

Esto es una traducción. Esto no es un original.

INFORME DE PRUEBAS DE LABORATORIO para el fabricante del

Super Sterasyl

**COMPONENTE DE
SISTEMAS DE FILTRACIÓN DE AGUA DE**

**YVE-BIO
27628 HAGEN IM BREMISCHEN, ALEMANIA**

INFORME DE LA PRUEBA DEL AGUA: Super Sterasyl

Report # 19-119

Fecha del informe del laboratorio: 20.06.2019

Introducción

El siguiente informe de prueba resume el rendimiento del Super Sterasyl probado bajo gravedad con una gama de pesticidas y contaminantes de cloro hasta una capacidad de 3030 litros. Las eficiencias de entrada, salida y filtración de cada contaminante se midieron a lo largo de la prueba y se registraron en las siguientes tablas de resultados.

Probado para sustancias nocivas		10 UV	606 litros	1515 litros	2121 litros	2727 litros	3030 litros	eficiencia global mínima
Glyphosat (Herbicida, Roundup)	Añadir	810.2 ug/L	803.4 ug/L	804.8 ug/L	806.8 ug/L	803.6 ug/L	804.9 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.99%	99.99%	99.99%	99.99%	99.96%	99.94%	99.94%
Alachlor (Herbicida)	Añadir	48.25 ug/L	49.39 ug/L	40.32 ug/L	48.8 ug/L	49.58 ug/L	49.25 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.79%	99.80%	99.75%	99.80%	99.80%	99.80%	99.75%
Fluridon (Herbicida)	Añadir	72.54 ug/L	50.25 ug/L	87.52 ug/L	53.65 ug/L	53.62 ug/L	54.36 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.86%	99.80%	99.89%	99.81%	99.81%	99.82%	99.80%
Hexachlorbenzol HCB (Fungicida)	Añadir	50.58 ug/L	48.66 ug/L	62.11 ug/L	46.54 ug/L	51.25 ug/L	52.35 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.80%	99.79%	99.84%	99.79%	99.80%	99.81%	99.78%
Hexachlor-ocyclopentadiene (Pesticida)	Añadir	48.55 ug/L	64.22 ug/L	79.28 ug/L	62.66 ug/L	52.45 ug/L	52.74 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.79%	99.84%	99.87%	99.84%	99.81%	99.81%	99.79%
Delta BHC (Lindane)	Añadir	50.57 ug/L	48.65 ug/L	62.09 ug/L	46.53 ug/L	49.57 ug/L	51.24 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.80%	99.79%	99.84%	99.79%	99.80%	99.80%	99.78%
Porpachlor (Herbicida)	Añadir	50.57 ug/L	48.65 ug/L	62.1 ug/L	46.53 ug/L	53.26 ug/L	52.36 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.80%	99.79%	99.84%	99.79%	99.81%	99.81%	99.78%
Molinat (Herbicida)	Añadir	49.43 ug/L	33.59 ug/L	53.29 ug/L	58.24 ug/L	48.58 ug/L	49.61 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.80%	99.70%	99.81%	99.83%	99.79%	99.80%	99.66%
Alpha-BHC (Lindane)	Añadir	50.57 ug/L	48.65 ug/L	62.09 ug/L	36.53 ug/L	49.65 ug/L	51.23 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.80%	99.79%	99.84%	99.73%	99.80%	99.80%	99.73%
Beta-BHC (Lindane)	Añadir	45.15 ug/L	48.26 ug/L	40.05 ug/L	51.54 ug/L	51.42 ug/L	48.56 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.78%	99.79%	99.75%	99.81%	99.79%	99.79%	99.75%
Gamma BHC (Lindane)	Añadir	46.57 ug/L	38.31 ug/L	45.19 ug/L	49.57 ug/L	47.23 ug/L	48.52 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.79%	99.74%	99.78%	99.80%	99.79%	99.79%	99.79%

Probado para sustancias nocivas		10 UV	606 litros	1515 litros	2121 litros	2727 litros	3030 litros	eficiencia global mínima
Atrazin (Herbicida)	Añadir	45.13 ug/L	48.26 ug/L	40.1 ug/L	51.54 ug/L	49.85 ug/L	48.58 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.78%	99.79%	99.75%	99.81%	99.80%	99.38%	99.38%
Simazin (Herbicida)	Añadir	49.58 ug/L	48.05 ug/L	4.63 ug/L	44.7 ug/L	46.78 ug/L	49.85 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.80%	99.79%	99.85%	99.78%	99.79%	99.80%	99.74%
Metribuzin (Herbicida)	Añadir	46.82 ug/L	49.68 ug/L	60.43 ug/L	47.82 ug/L	51.24 ug/L	50.24 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.79%	99.80%	99.83%	99.79%	99.80%	99.40%	99.40%
Heptachlor (Insecticida)	Añadir	46.77 ug/L	41.83 ug/L	49.64 ug/L	65.19 ug/L	48.75 ug/L	50.24 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.79%	99.76%	99.80%	99.85%	99.79%	99.80%	99.35%
Metolachlor (Herbicida)	Añadir	73.8 ug/L	49.86 ug/L	51.67 ug/L	45.53 ug/L	48.75 ug/L	49.52 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.86%	99.80%	99.81%	99.78%	99.79%	99.80%	99.78%
Butylat (Insecticida)	Añadir	65.51 ug/L	89.98 ug/L	71.56 ug/L	109.3 ug/L	84.57 ug/L	70.45 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.85%	99.89%	99.86%	99.91%	99.88%	99.86%	99.85%
2,4-D (Herbicida)	Añadir	49.75 ug/L	59.32 ug/L	40.02 ug/L	56.85 ug/L	51.45 ug/L	50.25 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.80%	99.83%	99.75%	99.82%	99.81%	99.80%	99.75%
Aldrin (Insecticida)	Añadir	56.35 ug/L	56.04 ug/L	50.77 ug/L	51.42 ug/L	58.45 ug/L	54.12 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.82%	99.82%	99.80%	99.81%	99.83%	99.82%	99.80%
Heptachlorepoxid (Insecticida)	Añadir	111.31 ug/L	199.18 ug/L	97.85 ug/L	172.73 ug/L	130.25 ug/L	125.25 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.91%	99.95%	99.90%	99.94%	99.92%	99.92%	99.90%
Trans-Chlordan (Insecticida)	Añadir	34.98 ug/L	50.77 ug/L	66.03 ug/L	42.99 ug/L	44.52 ug/L	48.57 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.71%	99.80%	99.85%	99.77%	99.78%	99.79%	99.71%
Butachlor (Herbicida)	Añadir	95.18 ug/L	185.07 ug/L	165.73 ug/L	151.15 ug/L	130.25 ug/L	132.45 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.89%	99.95%	99.94%	99.93%	99.92%	99.92%	99.89%
Endosulfan I (Insecticida)	Añadir	52.35 ug/L	48.92 ug/L	53.25 ug/L	42.9 ug/L	48.58 ug/L	49.57 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.81%	99.80%	99.81%	99.77%	99.79%	99.80%	99.75%
cis-Chlordan (Insecticida)	Añadir	52.35 ug/L	51.23 ug/L	51.24 ug/L	52.24 ug/L	50.65 ug/L	51.45 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.81%	99.80%	99.80%	99.81%	99.80%	99.81%	99.80%
p,p'-DDE (Insecticida)	Añadir	35.76 ug/L	66.82 ug/L	104.25 ug/L	71.76 ug/L	50.65 ug/L	51.45 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.72%	99.85%	99.90%	99.86%	99.80%	99.81%	99.72%
Dieldrin (Insecticida)	Añadir	73.68 ug/L	105.07 ug/L	85.27 ug/L	85.77 ug/L	70.45 ug/L	65.58 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.86%	99.90%	99.88%	99.35%	99.86%	99.85%	99.35%

Probado para sustancias nocivas		10 UV	606 litros	1515 litros	2121 litros	2727 litros	3030 litros	eficiencia global mínima
Endrin (Insecticida)	Añadir	59.72 ug/L	50.97 ug/L	62.56 ug/L	46.45 ug/L	49.58 ug/L	50.25 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.83%	99.80%	99.84%	99.78%	99.80%	99.80%	99.78%
Endosulfan II (Insecticida)	Añadir	50.6 ug/L	53.49 ug/L	67.23 ug/L	49.8 ug/L	51.45 ug/L	50.32 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.80%	99.81%	99.85%	99.80%	99.81%	99.80%	99.80%
p,p'-DDD (Insecticida)	Añadir	20.25 ug/L	21.56 ug/L	19.44 ug/L	19.45 ug/L	22.45 ug/L	24.85 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.51%	99.54%	99.49%	99.49%	99.55%	99.60%	99.49%
Endrin Aldehyde (Pesticida)	Añadir	21.6 ug/L	29.9 ug/L	52.92 ug/L	30.32 ug/L	46.85 ug/L	42.85 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.54%	99.67%	99.81%	99.67%	99.79%	99.77%	99.54%
p,p'-DDT (Insecticida)	Añadir	22.18 ug/L	33.36 ug/L	57.83 ug/L	33.22 ug/L	30.52 ug/L	31.45 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.55%	99.70%	99.83%	99.70%	99.67%	99.68%	99.55%
Endosulfan Sulfate (Insecticida)	Añadir	37.86 ug/L	53.66 ug/L	93.49 ug/L	54.26 ug/L	52.45 ug/L	53.65 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.74%	98.42%	99.89%	99.82%	99.81%	99.81%	98.42%
Endrin Ketone (Insecticida)	Añadir	65.25 ug/L	68.53 ug/L	52.03 ug/L	51.56 ug/L	50.85 ug/L	51.98 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.85%	99.85%	99.81%	99.81%	99.80%	99.81%	99.80%
Methoxychlor (Insecticida)	Añadir	111.41 ug/L	119.63 ug/L	108.38 ug/L	131.58 ug/L	124.56 ug/L	120.45 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.91%	99.92%	99.91%	99.92%	99.92%	99.92%	99.91%
Bromacil (Herbicida)	Añadir	115.53 ug/L	113.43 ug/L	213.44 ug/L	130.91 ug/L	120.58 ug/L	121.85 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.91%	99.91%	99.95%	99.92%	99.92%	99.92%	99.91%
Carbofuran (Insecticida)	Añadir	36.49 ug/L	58.34 ug/L	59.5 ug/L	76.89 ug/L	52.85 ug/L	59.62 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.73%	99.83%	99.83%	99.87%	99.81%	99.83%	99.73%
Chloroneb (Fungicida)	Añadir	47.55 ug/L	67.64 ug/L	81.61 ug/L	58.55 ug/L	58.95 ug/L	50.45 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.79%	99.85%	99.88%	99.83%	99.83%	99.80%	99.79%
Chlorothalonil (Fungicida)	Añadir	75.42 ug/L	49.87 ug/L	73.9 ug/L	66.86 ug/L	52.85 ug/L	50.48 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.87%	99.80%	99.86%	99.85%	99.81%	99.80%	99.80%
Chloropropan (Hidrocarburo clorado)	Añadir	33.89 ug/L	19.16 ug/L	60.22 ug/L	69.57 ug/L	53.45 ug/L	50.51 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.70%	99.48%	99.83%	99.86%	99.81%	99.80%	99.48%
Chlorpyrifos (Insecticida)	Añadir	49.76 ug/L	49.7 ug/L	54.93 ug/L	53.4 ug/L	51.52 ug/L	51.58 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.80%	99.80%	99.82%	99.81%	99.81%	99.81%	99.77%
Cyanazin (Herbicida)	Añadir	45.71 ug/L	41.77 ug/L	69.26 ug/L	41.53 ug/L	51.78 ug/L	52.65 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.78%	99.76%	99.86%	99.76%	99.81%	99.81%	99.76%

Probado para sustancias nocivas		10 UV	606 litros	1515 litros	2121 litros	2727 litros	3030 litros	eficiencia global mínima
Dichlorvos (Insecticida)	Añadir	50.23 ug/L	63.21 ug/L	121.79 ug/L	51.86 ug/L	54.03 ug/L	51.35 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.80%	99.84%	99.92%	99.81%	99.81%	99.81%	99.80%
Diphenamid (Herbicida)	Añadir	36.83 ug/L	49.3 ug/L	71.24 ug/L	61.16 ug/L	53.65 ug/L	52.05 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.73%	99.80%	99.86%	99.84%	99.81%	99.81%	99.73%
Disulfoton (Insecticida)	Añadir	15.72 ug/L	19.62 ug/L	76.14 ug/L	26.09 ug/L	20.63 ug/L	20.51 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.36%	99.49%	99.87%	99.62%	99.52%	99.51%	99.36%
Fenamiphos (Pesticida)	Añadir	56.43 ug/L	69.56 ug/L	70.27 ug/L	45.84 ug/L	49.85 ug/L	48.57 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.82%	99.86%	99.86%	99.78%	99.80%	99.79%	99.76%
Fenarimol (Fungicida)	Añadir	34.48 ug/L	53.37 ug/L	76.16 ug/L	56.4 ug/L	50.05 ug/L	51.35 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.71%	99.81%	99.87%	99.82%	99.80%	99.81%	99.71%
Ethoprop (Insecticida)	Añadir	51.54 ug/L	71.97 ug/L	62.67 ug/L	74.02 ug/L	60.25 ug/L	63.32 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.81%	99.86%	99.84%	99.86%	99.83%	99.84%	99.81%
Toxaphene (Insecticida)	Añadir	36.65 ug/L	39.89 ug/L	73.32 ug/L	39.56 ug/L	46.36 ug/L	43.52 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.73%	99.75%	99.86%	99.75%	99.78%	99.77%	99.73%
PCB's (toxina orgánica)	Añadir	10.25 ug/L	12.42 ug/L	10.45 ug/L	10.35 ug/L	11.98 ug/L	11.75 ug/L	
	filtrado	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	<0.1 ug/L	
	Reductio	99.02%	99.19%	99.04%	99.03%	99.17%	99.15%	98.93%

Resultados de las pruebas de cloro

Volumen acumulado	Cloro añadido	Efluente de cloro	Reducción en %
10 UV	1.90 mg/L	<0.01	99.47%
303 litros	2.20 mg/L	<0.01	99.55%
606 litros	1.80 mg/L	<0.01	99.44%
909 litros	1.90 mg/L	<0.01	99.47%
1212 litros	1.80 mg/L	<0.01	99.44%
1515 litros	1.80 mg/L	<0.01	99.44%
1818 litros	1.80 mg/L	<0.01	99.44%
2121 litros	2.00 mg/L	<0.01	99,50%
2424 litros	2.40 mg/L	<0.01	99,55%
2727 litros	1.80 mg/l	<0.01	99.44%
3030 litros	1.80 mg/l	<0.01	99.44%

Resultados:

Los filtros proporcionaron una eficiencia de filtración de > 98,9 % para todos los contaminantes durante la prueba.

CERTIFICACIÓN DE RESULTADOS:

Por la presente certifico por escrito que todos los análisis y los informes realizados aquí cumplen con todos los requisitos establecidos en N.J.A.C. 7:9E y N.J.A.C. 7:18, y por la presente certifico que este laboratorio cumple con todos los procedimientos y requisitos de certificación y control de calidad del laboratorio establecidos en N.J.A.C. 07.18, la subsección 55-2 del NYCRR, las normas institucionales de la Conferencia Nacional de Acreditación de Laboratorios Ambientales (NELAC) y la norma ISO 17025.

Descargo de responsabilidad: Los resultados de las pruebas se refieren exclusivamente a los cartuchos filtrantes probados, en el estado en que se recibieron en el laboratorio.



Jaime Young, Director de laboratorio