



The NSF/ANSI 350 standard verifies that all design and performance requirements of the standard have been met, and confirms through testing that effluent reuse water meets the stringent quality criteria. The NSF/ANSI 350 standard also sets water quality requirements for the reduction of chemical and microbiological contaminants for non-potable water use.

During the 26-week NSF/ANSI 350 testing period, the Hydraloop product was dosed daily with a greywater mix that contained raw wastewater, secondary effluent, body wash, shampoo, conditioner, soap, toothpaste, deodorant, bath cleaner, lactic acid, liquid handsoap, laundry detergent & softener, Na<sub>2</sub>SO<sub>4</sub>, NaHCO<sub>3</sub>, Na<sub>3</sub>PO<sub>4</sub> and test dust. The incoming greywater and the treated recycled water was lab tested for 26 weeks, typically 3 days a week.

**Influent values of the incoming greywater used for the 26 week test**

Parameters	Required range
TSS (mg/L)	50 - 160 mg/L
BOD <sub>5</sub>	130 - 210 mg/L
Temperature	25 - 35 Celcius
pH (SU)	6.0 - 8.5
Turbidity	30 - 100 NTU
Total phosphorous-P	1.0 - 3.0 mg/L
Total Kjeldahl -N	3.0 5.0 mg/L
COD	250 - 400 mg/L
Total coliforms	10 <sup>3</sup> – 10 <sup>7</sup> cfu/100 mL
E.coli	10 <sup>2</sup> – 10 <sup>6</sup> cfu/100 mL

**Effluent values NSF-350 requirements and Hydraloop treated water test results**

NSF/ANSI 350 requirements		HYDRALOOP average results	
BOD <sub>5</sub> (mg/L)	< 10	BOD <sub>5</sub> (mg/L)	6
TSS (mg/L)	< 10	TSS (mg/L)	3.3
Turbidity (NTU)	< 5	Turbidity (NTU)	2.3
E. coli (MPN/100mL)	< 14	E. coli (MPN/100mL)	< 1
pH (SU)	6.0 - 9.0	pH (SU)	6.0 - 9.0

The Hydraloop product supplied recycled water with a quality that falls well within the parameters of the requirements as set by the NSF/ANSI 350 standard.

Hydraloop treated water can be used for applications such as toilet and urinal flushing, laundry machine, irrigation, and other non potable applications.

The Hydraloop product did not require any user maintenance during the 26-week testing period.

Visit the NSF website for the [listing](#) of Hydraloop products.

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AS COMPLYING WITH NSF/ANSI 350 AND ALL APPLICABLE REQUIREMENTS.  
PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE  
AUTHORIZED TO BEAR THE NSF MARK.



ISO/IEC 17065  
Product Certification Body  
#0216

Certification Program  
Accredited by the  
American National  
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