

GENCLEAN-AQ
Advanced Oxidation Sustainable Chemistry



GENCLEAN™ AQ Oxidation & Microbiological Disinfection Treatment

WHAT IS GENCLEAN-AQ?

GENCLEAN™ AQ is an NSF 60 certified specialized advanced oxidation treatment solution specifically developed for process water disinfection and wastewater treatment for food & beverage processing companies and fish farms.

This product is a dependable, safe, and sustainable treatment solution developed for the disinfection of process water in applications such as wash water for vegetables, fruits, meats, and seafood. It also provide disinfection and sanitization capabilities of process water and clean in place water for the dairy industry. In addition to its microbiological disinfection capabilities, it also can be used in tertiary wastewater treatment applications within food/beverage, fish farm & dairy facilities by assisting in the removal of COD, BOD, ammonia, color, and pesticide compounds.

It does not require external catalyst activation to generate its capabilities to disinfect and oxidize process and wastewater in food, beverage and dairy facilities through the utilization of internally generated hydroxyl radical and reactive oxygen compounds. This provides highly effective treatment of pathogens including the elimination of *Listeria*, *E-Coli*, and other specific harmful compounds in seconds.

GENCLEAN™ AQ can provide multiple advantages for these facilities to optimize their process water & wastewater treatment operations. These advantages along with the ease of monitoring Genclean AQ dosing rates allow food & beverage companies and fishery operations to obtain a quick return on investment.

ADVANTAGES

HIGHER SAFETY & HYGIENE, REDUCES TRANSIT SPOILAGE, SUSTAINABLE, SCALABLE

TREATMENT PROCESS

The GENCLEAN AQ treatment solution is fed into process water or wastewater in food/beverage and fishery production operations using a GWT chemical feed pump system with an integrated pH/ORP controller to automatically proportionally adjust dosage to maintain oxidation reduction potential (ORP) in the range of typically at around +200 mV at neutral pH levels for aquaculture applications. For food washing, ORP levels in the process wash water should be maintained at +675 mV with wash contact time of at least 30 seconds. However, this range can be validated and field adjusted.

This product can be mixed into the process water or food/beverage wastewater using an inline static mixer or a mechanical mixer.

* Lab & pilot testing services are available for validation of application dosage rates.

Genclean™ Treatment Solutions
A division of Genesis Water Technologies, Inc.
555 Winderley Place, Ste 300
Maitland, FL 32751 USA
Tel: 877 882 5750
Email: customersupport@gencleantreatment.com





GENCLEAN AQ BENEFITS

- Eliminates Listeria, E. Coli and other bacteria, viruses on contact and oxidizes ammonia
- Enhances microflocculation of algae, organic matter & increases oxygenation of water
- Increases transit & shelf life of meats, fruits and vegetables and reduces transit spoilage by 40%.
- Elimination of odors and increased growth rates by up to 20% of fish, shrimps, etc. in fisheries and aquaculture applications
- Effective for process wash water and CIP disinfection in dairy and beverage processing operations

PRODUCT PACKAGING

GENCLEAN™ AQ treatment solution is available in 55 gal (200 L) drums and 265 gal (1000 L) totes.

TYPICAL SHELF LIFE:

6-7 months shelf life for maximum performance.

STORAGE REQUIREMENTS:

Store at room temperature, out of direct sunlight. Keep away from children.

CERTIFICATIONS:

NSF 60 certified, Ingredients are FDA Generally Recognized As Safe (GRAS) Compliant

For assistance or requests for treatability testing services using our advanced GENCLEAN AQ treatment solution to optimize your process wash water or tertiary wastewater treatment applications in your food, beverage, dairy processing or fish farming facility please reach out to us by phone or email us at: customersupport@gencleantreatment.com



Tote



Drum