

FRESHFx L-12

- FreshFx L-12 is a patented concentrated formulation of three Generally Recognized as Safe, food grade acids that can be used as a pH adjuster (acidifier) and processing aid in meat & poultry facilities to reduce the degree of contamination and cross-contamination of edible food products.
- Is classified as a processing aid by the FDA under 21 CFR § 101.100 (a) (3) (ii), Food; exemptions from labeling, defined as “a substance that is added to a food for its technical or functional effect in the processing but is present in the finished food at insignificant levels and does not have any technical or functional effect in that food”.
- Granted several letters of “no objection” by the U.S. Department of Agriculture, Food Safety and Inspection Service (USDA/FSIS), clearing FreshFx L-12 use as an antimicrobial processing aid for the treatment of poultry carcasses, parts, trim, and organs. Also allowed as acidifier throughout the facility.
- The product has also received a letter of “no objection” from USDA FSIS for use as a pH adjuster in poultry and hog scalding processing water.
- Allowed under both USDA and FDA regulations with no limitations in a wide variety of applications including process water, chiller, post-chill, finishing chillers, and on-line reprocessing (OLR) systems.
- Usage as a processing aid in poultry facilities drives both microbial and organic concentrations of the process water down to reduce the health threat in the finished goods (*)
- FreshFx L-12 when applied to chiller systems using chlorine serves to further activate the chlorine, enhancing the programs’ cost-efficiency, requiring only a very modest reduction in system pH. (targeted pH 5.0 – 6.0)
- The product effectively reduces antimicrobial activity when used to reduce the pH of potable water to <2.2 pH or less.
- No potable water rinse is necessary post treatment.

Parameter	Specifications
Specific Gravity (@ 20° C)	1.10 g/cm ³
pH	<0.1
Boiling Point (° F)	>240° F (>116° C)
Flash Point by Tag closed cup	>200° F (>93° C)
Color	Clear, Colorless liquid
Odor	Mild
Water solubility	Soluble
Percent volatiles	N / D

(*) NOTE—Even though FreshFx® L-12 does not specifically target pathogenic organisms, the reduction in general process water contamination, both organic and microbial, is recognized as helping to overcome long-term challenges in control of critically targeted microorganisms.

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