

CHLOsh Test Result Summary Table

(1) Virus Inactivation Test

Requested by: S.E.L CO., LTD. as of March 20th, 2020

Virus (Substitution)	Reduction Rate (%)	Test and Report by
Norovirus (Feline calicivirus)	99.999	Japan Food Research Laboratories (JFRL)
Influenza virus type A (Aichi H3N2)	99.99	Research Institute for Animal Science in Biochemistry & Toxicology (RIAS)
Canine parvovirus	99.8	
Coxsackievirus A6	99.999	KITAZATO Research Center for Environmental Science (Kitazato Medical Univ.)
Adenovirus type 3	99.999	

(2) Bacterial Disinfection Test

Bacteria	Reduction Rate (%)	Test and Report by
Trichophyton mentagrophytes	99.9	KITAZATO Research Center for Environmental Science (Kitazato Medical Univ.)
Staphylococcus aureus	99.99	Kyoto Biseibutsu Kenkyusyo (Kyoto Microbiology Research Center)
Methicillin resistant Staphylococcus aureus	99.99	
Salmonella enteritidis	99.99	
Klebsiella pneumoniae	99.99	
Vibrio parahaemolyticus	99.99	
Pseudomonas aeruginosa	99.99	
Escherichia coli	99.99	
E. coli, serovar O157:H7	99.99	Japan Food Research Laboratories (JFRL)

(3) Allergen Inactivation Test

Allergen	Reduction Rate (%)	Test and Report by
Cedar pollen (Cry j 1)	99.57	Japan Food Research Laboratories (JFRL)
Dermatophagoides farinae (Der f 1)	99.40	
Cat allergen (Fel d 1)	99.7	Institute of Tokyo Environmental Allergy, ITEA Inc.

(4) Deodorization Test

Odor component (Chemical formula)	Reduction Rate (%)	Test and Report by
Ammonia (NH ₃)	99.2	Shokukanken Inc. (Food Environment and Health Institute)
Hydrogen sulfide (H ₂ S)	90	
Trimethylamin (C ₃ H ₉ N)	98	
Methyl mercaptan (CH ₃ SH)	99.3	
Isovaleric acid (C ₅ H ₁₀ O ₂)	98	
Acetic acid (C ₂ H ₄ O ₂)	99.5	

(5) Safety Test (Implemented at 1,000 ppm)

Conformance items	Test Result	Test and Report by
Acute Oral Toxicity Test (OECD TG420)	LD50 :>2000mg/kg or more No abnormalities	Japan Food Research Laboratories (JFRL)
Eye Irritation Test (OECD TG405)	Category of 「Non-Irritants」	
Skin Primary Irritation Test (OECD TG404)	Category of 「Non-negligible」	