

CHLOsh Test Result List



as of August, 2020

S.E.L CO., LTD.

Virus Inactivation Test

Virus	Reduction Rate (%)	Third party testing organization
Bovine coronavirus /β genus (substitute: SARS-CoV-2)	99.99	Research Institute for Animal Science in Biochemistry & Toxicology(RIAS)
Influenza virus Type A (Aichi : H3N2)	99.99	
Canine parvovirus	99.8	
Feline calicivirus /CRFK (substitute: Norovirus)	99.999	Japan Food Research Laboratories (JFRL)
Coxsackie virus A6	99.999	KITAZATO Research Center for Environmental Science (Kitazato Medical Univ.)
Adeno virus Type 3	99.999	

Bacterial disinfection test

Bacteria / Fungus	Reduction Rate (%)	Third party testing organization
Trichophyton	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 (MRSA)	99.99	
Salmonella enteritidis	99.99	
Klebsiella pneumoniae	99.99	
Vibrio parahaemolyticus	99.99	
Pseudomonas aeruginosa	99.99	
Escherichia coli (E.coli)	99.99	
O-157 (E. Coli : H7)	99.99	Japan Food Research Laboratories (JFRL)

Allergen inactivation test

Allergen substance	Reduction Rate (%)	Third party testing organization
Cedar pollen (Cry j 1)	99.57	Japan Food Research Laboratories (JFRL)
Dermatophagoides farinae/House dust (Der f 1)	99.40	
Cat allergen(Felis domesticus) (Fel d 1)	99.7	Institute of Tokyo Environmental Allergy (ITEA Inc.)

Deodorant test

Deodorant ingredient (Chemical formula) ... Kind of stench	Reduction Rate (%)	Third party testing organization
Ammonia (NH ₃) ... Urine smell	99.2	Shokukanken Inc. (Food Environment and Health Institute)
Hydrogen sulfide (H ₂ S) ... Rotten odor of eggs	90	
Trimethylamin (C ₃ H ₉ N) ... Rotten odor of fishes	98	
Methylmercaptan (CH ₃ SH) ... Rotten odor of vegetables	99.3	
Isovaleric acid (C ₅ H ₁₀ O ₂) ... Foot smell	98	
Acetic acid (C ₂ H ₄ O ₂) ... The sour smell of sweat	99.5	

Safety Test I (Implementation at 1,000ppm)

Safety Test Items (Test Standard)	Result/Judgment	Third party testing organization
Acute Oral Toxicity (OECD TG420 Compliance)	LD50:2000mg/Kg or over No abnormality	Japan Food Research Laboratories (JFRL)
Eye Irritation (OECD TG405 Compliance)	1h:0.7, 24h:0 (Draize) Category of Non-irritants	
Primary Skin Irritation (OECD TG404 Compliance)	P.I.L :0 (ISO10993-10:2010) Category of Non-irritating	

Safety Test II (By using ultrasonic sprayer HM-201SEL)

Safety Test Items	Result/Judgment	Third party testing organization
Repeated Systemic Exposure Inhalation Toxicity	No abnormality	Drug Safety Testing Center (DSTC)