



alliedhygiene

sanisafe³

Efficacy Data

Efficacy - Bacteria

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Test species	Type (gram+/gram-)	Form	Concentration [ppm]
Bacillus cereus	+	spore	no activity
Bacillus cereus	+	vegetative	250
Bacillus stearothermophilus	+	spore	no activity
Bacillus stearothermophilus	+	vegetative	125
Bacillus subtilis	+	spore	no activity
Bacillus subtilis	+	vegetative	125
Bordetella bronchiseptica	-	all	250
Campylobacter jejunii	-	all	250
Clostridium perfringens	+	all	150
Corynebacterium xerosis	+	all	250
Enterococcus faecium	+	all	150
Enterococcus hirae	+	all	150
Erysipelothrix Insidia	+	all	150
Escheria Coli	-	all	250
Haemophilus pleuropneumoniae	-	all	250
Klebsiella pneumoniae	-	all	250
Lactobacillus brevis	+	all	50
Lactobacillus casei	+	all	50
Lactobacillus krusei	+	all	50
Lactobacillus lindneri	+	all	50
Listeria monocytogenes	+	all	990

Conditions	
Methods:	EN 1276, DVG, DGHM, EST
Temperature:	20°C
Time:	5 minutes
Log-reduction:	> 5

Efficacy – Bacteria (cont'd)

Test species	Type (gram+/gram-)	Form	Concentration [ppm]
<i>Micrococcus luteus</i>	+	all	125
<i>Pasteurella multocida</i>	-	all	480
<i>Pediococcus damnosus</i>	-	all	150
<i>Proteus mirabilis</i>	-	all	750
<i>Pseudomonas aeruginosa</i>	-	all	750
<i>Salmonella enteritis</i>	-	all	250
<i>Salmonella panama</i>	-	all	250
<i>Salmonella thyphimorium</i>	-	all	250
<i>Serratia marcescens</i>	-	all	480
<i>Staphylococcus epidermidis</i>	+	all	100
<i>Staphylococcus aureus</i>	+	all	100
<i>Streptococcus faecalis</i>	+	all	150
<i>Vibrio parahaemolyticus</i>	-	all	250
<i>Yersinia enterocolitica</i>	-	all	480

Efficacy – Mould/Fungi/Yeast

Tests species	Type [M/F/Y]	Form	Concentration [ppm]
Absidia corymbifera	M	vegetative	2.000
Aspergillus flavus	M	vegetative	2.000
Aspergillus niger	M	vegetative	4.000
Candida albicans	M	all	75
Geotrichum candidum	M	all	75
Hansenula anomala	Y	all	75
Microsporum gypseum	F	all	75
Monilia	M	all	480
Mucor	M	all	250
Penicillium expansum	M	all	250
Rhizopus	M	all	480
Rhodotorula	Y	all	125
Saccharomyces bayanus	Y	all	75
Saccharomyces carlsbergensis	Y	all	75
Saccharomyces uvarum	Y	all	75
Saccharomyces cerevisiae	Y	all	50
Saccharomyces diastaticus	Y	all	75
Trichophyton mentagrophytes	F	all	250
Zygosaccharomyces bailii	Y	all	75

Conditions

Methods: EN 1650, DVG, DGHM, EST
 Temperature: 20°C
 Time: 15 min (A. niger spore: 60 min)
 Log-reduction: > 4

Efficacy - Viruses

Test species	Virus-taxonomy (family)	Short name	Concentration % (clean)	Time min	Concentration % (dirty)	Time min
Hepatitis B virus	Hepadnaviridae	HBV	0.75	30	1.5	30
Human immunodeficiency virus	Retroviridae	HIV	0.75	30	1.5	30
Rota-virus strain WA	Reoviridae	Rota-WA	1.5	30	-	-
Vaccinia virus	Orthopoxvirus vaccinia	VV	0.5	5	0.5	5
Bovine viral diarrhoe virus	Coronaviridae	BVDV	0.5	15	0.5	15
Hepatitis C virus	Flaviviridae	HCV	0.5	15	0.5	15
Herpes simplex virus	Herpesviridae	HSV	0.5	5	0.5	5
Bovine corona virus	Coronaviridae	BCV	0.5	5	0.5	5
SARS virus	Coronaviridae	SARS CoV	0.5	5	0.5	5
Bird flu virus	Orthomyxoviridae (H5N1)	BFV	0.5	5	0.5	15
Influenza A virus	Orthomyxoviridae (H1N1)	BFV	0.5	5	0.5	15

Conditions

Methods: BGA, DVV
 Temperature: 20°

Efficacy - Algae

Algae Tests – Specie	Value	Concentration mg/l	Time hour	Test Method
Chlorella pyrenoidosa	E _b C ₅₀	0.002	72	OECD 201
Desmodesmus subspicatus	E _b C ₅₀	0.03	72	OECD 201
Selenastrum capricornum	E _b C ₅₀	0.02	72	OECD 201