ENSYSTEX™

LEADING INNOVATION IN PEST MANAGEMENT

FUMITHOR™ HYGIENE

DISINFECTANT SMOKE GENERATOR

NEW FLAME-FREE WICK

A NEW CONCEPT FOR IMPROVED STERILISATION

FUMITHOR™ HYGIENE

The ideal sterilisation solution for:

PUBLIC HEALTH
Health institutions and premises, medical centres, clinics, surgery areas, ambulances, saunas, gyms, pools, schools, hotels, cinemas, theatres, libraries, warehouses, offices, homes.

FOOD INDUSTRY
Bakeries, mills, slaughter houses, food processing areas, food and vegetable storage.

ANIMAL HEALTH
Poultry, egg production, animal breeding facilities, kennels.

CROP PROTECTION
Postharvest, silos, warehouses, ships, greenhouses, cold stores, containers, etc...

FEATURES

- A broad-spectrum microbicide, effective against all vegetative bacteria, fungi, and viruses, it is also sporicidal.
- Optimal effective use of small quantities of disinfectant which minimises any impact on the environment while maximising results.
- Disinfectant is deposited everywhere (vertical, horizontal and underside of horizontal surfaces) which ensures a more thorough treatment.
- Easy to treat inaccessible areas - roofs, false roofs, nooks and crannies, etc.
- Lower operator and worker exposure to disinfectants makes it safer.
- FUMITHOR HYGIENE does not increase the humidity of the treated rooms meaning fungal growth is not encouraged.
- Effective treatment of any enclosed area.

ACTIVE INGREDIENTS

GLUTARALDEHYDE is an organic compound that is highly effective as a disinfectant/ sterilant and widely used in medical and surgical fields. It is a broad-spectrum microbiocide, effective against all vegetative bacteria, fungi, and viruses, it is also sporicidal.

ORTHO PHENYLPHENOL is an organic compound and a powerful biocide with strong bacteriocidal and fungicidal properties. It is commonly used as a general surface disinfectant in households, hospitals, nursing homes, farms, laundries, barber shops, and food processing plants.

Together they provide a complete solution to your needs for a germ free environment.

A NEW GENERATION IN STERILIZATION TECHNOLOGY IS HERE!

FUMITHOR™ HYGIENE is a highly effective and unique method for improved sterilisation, used extensively throughout Europe. It's low toxic, dry smoke disinfectant with potent bactericidal, virucidal and fungicidal properties, make FUMITHOR the perfect hygiene solution for modern industry and society.

The use of traditional disinfection products often involves problematic handling of hazardous substances and their negative effect on equipment and premises.

By using a dry disinfectant smoke, it is possible to reduce disinfection treatment costs and, at the same time improve the production environment ensuring better working conditions and enhanced product quality.

FUMITHOR HYGIENE has been developed to offer an easy to use and safe high performance disinfecting solution, that provides outstanding control of direct and indirect contamination sources.

FUMITHOR RELEASES THE SMOKE FIRST TIME, EVERY TIME!

The wick sparkles for no more than a few seconds before the disinfectant thermal smoke is released. The smoke is generated within 1 - 2 minutes. The smoke completely sterilises all surfaces in the room, even hard to reach areas such as ceilings, under benches, deep cracks and crevices, etc and provides a superior level of disinfectant treatment that simply cannot be achieved via conventional methods alone.

FUMITHOR GETS INTO EVERY NOOK AND EVERY CRANNY

Electron microscopy studies have confirmed that the active ingredients are applied homogeneously on all surfaces in treated rooms, with particles of 1 micron size found in the smallest cracks. (Analysis by the Applied Physics Department of the Universidad Politécnica de Valencia in collaboration with AINIA Centro Technológico, using a Scanning Electron Microscope JSM-6300 incorporating INCAx-sight software.)

FUMITHOR Dynamic Smoke Dispersion Technology™ provides for the fast evolution of the fine smoke particles and their rapid deposition on surfaces.

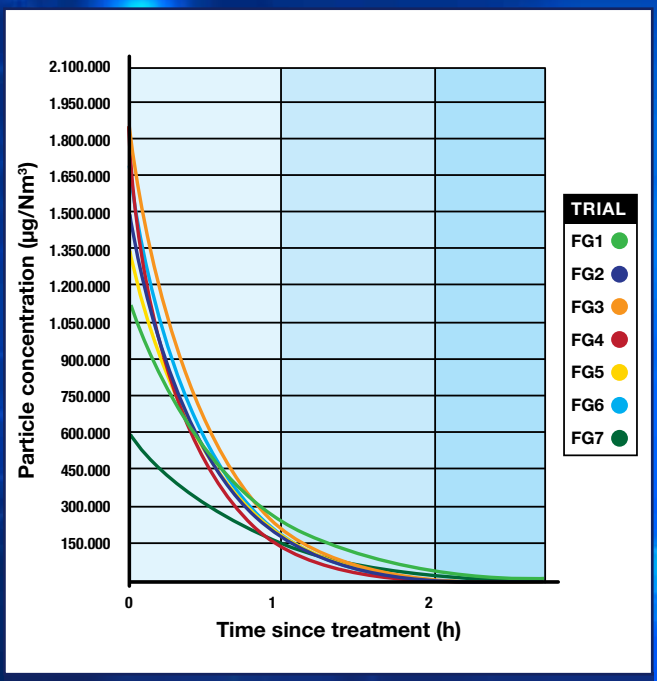

Figure 1:
Graph curves where t = 0 (moment of application of FUMITHOR) showing geometrical descent of the smoke. A strong decrease is observed in the concentration of particles in the air which shows a quick deposition of the product. Two hours after application, the FUMITHOR was completely deposited. Measurements were recorded using a Tapered Element Oscillating Microbalance, which allowed for gravimetric measurement in real time.

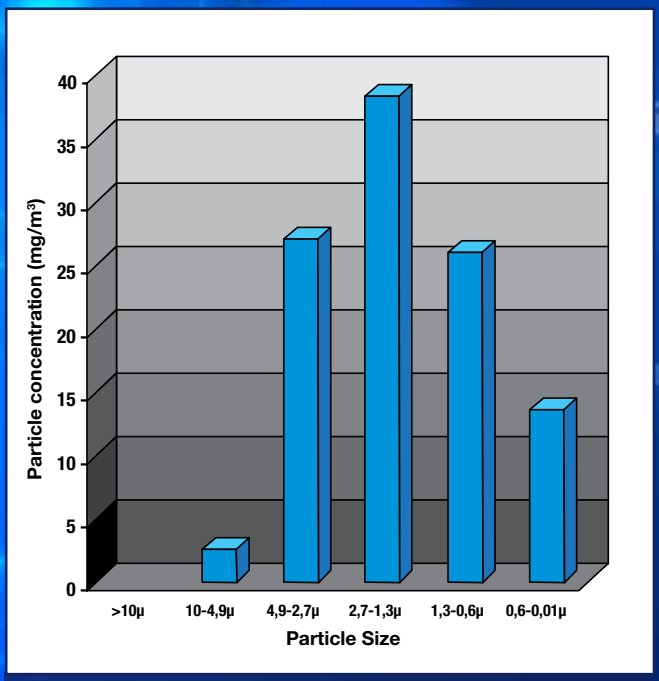

Figure 2:
Particles size analysis of the smoke is reported using a Cascade Impactor. This allows separation of particles suspended in a gas or smoke, according to their size. All particles are very small (< 10 microns), with 97.6% less than 5 microns and 72.3 % less than 2.7 microns. The mean range is between 1.3 and 2.7 microns. This ensures thorough penetration of the smoke to ensure an effective sterilisation of all surfaces.

HIGHLY EFFECTIVE AGAINST...

VIRUS	BACTERIA	YEAST AND FUNGI	ALGAE
- Avian reovirus	- Aeromonas punctata	- Candida albicans	- Scenedesmus obliquus
- Avian rotavirus	- Bacillus mycoides	- Candida krusel	- Euglena gracillis
- Infectious bronchitis	- Bacillus subtilis	- Rhodotorula mucilaginosa	- Chlorella pyrenoidosa
- Pseudorabies virus	- Desulfobrivio desulfuricans	- Rhodotorula rubra	
- Infectious bersal disease	- Enterobacter aerogenes	- Saccharomyces bailii	
- Avian influenza	- Escherichia coli	- Saccharomyces ceravisiae	
- Newcastle disease	- Leuconstoc mesenteroides	- Torula utilis	
- Porcine reproductive respiratory syndrome	- Proteus mirabilis	- Alternaria tenuis	
- Hog Cholera = HC Avian laryngotracheitis	- Pseudomonas flouroscens	- Aspergillus flavus	
- Marek's disease virus	- Pseudomonas aeruginosa	- Aspergillus niger	
- Human Coronavirus	- Staphylococcus aureus	- Aspergillus terreus	
	- Listeria monocytogenes	- Aspergillus ustus	
	- Mycobacterium tarrae	- Chaetonium globosum	
	- Propionibacterium acnes	- Mucur racemusus	
	- Salmonella choleraesuis	- Penicillium brevicale	
	- Bacillus cereus	- Rhizopus stolonifer	
	- Legionella pneumophila	- Thiycophyton mentagrophytes	
	- Klebsiella aerogenes	- Thiycophyton rubrum	
	- Klebsiella pneumoniae	- Stachybotrys atra	
	- Desulphovibrio desulphuricans	- Penicillium funiculosum	
		- Tricoderma virdae	

...AND SO MUCH MORE!

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