

# MGC POWERSAN 7



The worlds first in GATC hygiene technology  
Kills 99.99999% MRSA, E-COLI, SALMONELLA,  
LISTERIA & PSE



MGC Powersan 7 is a truly remarkable multi surface cleaner and sanitiser which achieves the highest level Log 7 of EN 1276 resulting in the survival of only one or less bacterium from each 10 million present.

The material is highly concentrated and enhanced with powerful germicidal killing properties that enable the product to be used on any surface.

MGC Powersan 7 is ideal for a variety of sanitisation uses following flooding damage to houses, shops, offices, schools and also areas as diverse as food preparation areas, sports complexes, hospitals, care homes, shopping centres as well as residential and domestic homes.

MGC Powersan 7 is non toxic, completely safe to use and is probably the most efficient and cost effective sanitiser/cleaner on the market. It is 100% biodegradable and safe to use by both skilled and unskilled operatives. MGC Powersan 7 is free of all VOC's and toxic Ingredients.

Log 7 that MGC Powersan 7 achieves is the highest possible standard attainable under modern testing procedures (BSEN 1276 ) resulting in one or less bacteria surviving in each 10 million.

Products advertising 99.9% germ kill will still leave 1 in a 1000 bacteria surviving and only achieve Log 3.

MGC Powersan 7 is bleach free, is food safe, as well as being pet safe and does not represent any threat to the environment.

MGC Powersan 7 is non-flammable, non – volatile and non toxic under everyday working conditions.

Spray the surface leave for 30 seconds and then wipe clean.



To order phone our Sales office on 01372 743334

# MGC POWERSAN 7

## For Sanitising all Surfaces

MGC Powersan 7 is Quick and Easy to use with either the 500 ml ready to use spray or the 5 litre concentrate solution (dilute 1 to 4 with clean water and will make 25 litres at a 20% concentration) .

The material has tremendous germicidal killing properties for use after flooding or general sanitisation on any surface and is effective against:

- MRSA
- E-coli
- Salmonella
- Listeria
- Pseudomonas

Spray affected areas leave for 30 seconds and wipe clean, Glass surfaces may need buffing to a shine - non toxic and completely safe to use.



**Abbott Analytical**  
Consulting Scientists to the Disinfectant Industry



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### Certificate of Analysis

Sample(s): One sample of Powersan 7

Date received: 10 December 2012 Date tested: 19 December 2012  
 Certificate no: 12M.0531B.MEP Certificate date: 21 December 2012  
 Sample ref: 12M/053 Page: 1 of 2

Analysis required: EN 1276, Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas - Test method and requirements (phase 2, step 1)

Product stored at: Room temperature  
 Active substance: Not declared  
 Test conditions: Dirty  
 Interfering substance: 3.0g/l bovine albumin  
 Product test concentration: 20% v/v  
 Product diluent used during test: Sterile hard water 300ng/l CaCO<sub>3</sub>  
 Appearance of product (dilution): Yellow, fluorescent solution  
 Contact time: 30 seconds  
 Test temperature: 20°C ± 0.5°C  
 Neutralising solution: 3% Polysorbate 80, 3g/l Lecithin, 1g/l L-histidine, 1g/l L-cysteine  
 Incubation temperature: 37°C ± 1°C

Identification of bacterial strain(s) used:

<i>Pseudomonas aeruginosa</i>	NCIMB 10421
<i>Escherichia coli</i>	NCIC 10418
<i>Staphylococcus aureus</i>	NCIC 10788
<i>Enterococcus hirae</i>	NCIMB 8192

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### Test results:

Test Organism	<i>Pseudomonas aeruginosa</i>		<i>Escherichia coli</i>		<i>Staphylococcus aureus</i>		<i>Enterococcus hirae</i>	
Validation Suspension (Nv.)	Vc1 130	Vc2 156	Vc1 118	Vc2 142	Vc1 136	Vc2 104	Vc1 152	Vc2 170
	x = 143		x = 130		x = 120		x = 161	
Experimental Control (A)	Vc1 114	Vc2 128	Vc1 100	Vc2 134	Vc1 126	Vc2 114	Vc1 134	Vc2 172
	x = 121 ≥ 0.5Nv		x = 117 ≥ 0.5Nv		x = 120 ≥ 0.5Nv		x = 153 ≥ 0.5Nv	
Neutraliser Control (B)	Vc1 136	Vc2 102	Vc1 116	Vc2 92	Vc1 108	Vc2 122	Vc1 130	Vc2 125
	x = 119 ≥ 0.5Nv		x = 104 ≥ 0.5Nv		x = 115 ≥ 0.5Nv		x = 128 ≥ 0.5Nv	
Method Validation (C)	Vc1 122	Vc2 145	Vc1 124	Vc2 130	Vc1 118	Vc2 104	Vc1 150	Vc2 128
	x = 134 ≥ 0.5Nv		x = 127 ≥ 0.5Nv		x = 111 ≥ 0.5Nv		x = 139 ≥ 0.5Nv	
Fast Suspension 10 <sup>-6</sup>	Vc1 264	Vc2 284	Vc1 233	Vc2 274	Vc1 256	Vc2 232	Vc1 288	Vc2 304
Fast Suspension 10 <sup>-7</sup>	Vc1 28	Vc2 24	Vc1 25	Vc2 31	Vc1 26	Vc2 21	Vc1 28	Vc2 34
(N = 6)	lg N = 8.44		lg N = 8.41		lg N = 8.39		lg N = 8.47	
(N <sub>w</sub> = 0.1N)	lg N <sub>w</sub> = 7.44		lg N <sub>w</sub> = 7.41		lg N <sub>w</sub> = 7.39		lg N <sub>w</sub> = 7.47	
Results	Vc1 0	Vc2 0	Vc1 0	Vc2 0	Vc1 0	Vc2 0	Vc1 0	Vc2 0
(N <sub>a</sub> = 10R)	lg N <sub>a</sub> < 2.15		lg N <sub>a</sub> < 2.15		lg N <sub>a</sub> < 2.15		lg N <sub>a</sub> < 2.15	
(R)	lg R > 5.29		lg R > 5.26		lg R > 5.24		lg R > 5.32	
Pass: lg R ≥ 5	PASS		PASS		PASS		PASS	

Vc = plate count per ml  
 x = average of Vc1 and Vc2  
 N = weighted mean of R  
 R = reduction (lg R = lg N<sub>w</sub> - lg N<sub>a</sub>)

### Requirements & Conclusion:

This batch of Powersan 7, when diluted to 20% v/v, passes the requirements of EN 1276 for bactericidal activity in 30 seconds at 20°C under dirty conditions against all of the reference organisms detailed.

D C Watson

D C Watson BSc, CBiol, MSc, MIFST, ACIEH  
 PO Box 95, New Ferry, Wirral, CH22 6HA  
 Tel: 0151 6713331 Mob: 07767 871278  
 email: abbotanalytical@hotmail.co.uk

D C Watson

D C Watson BSc, CBiol, MSc, MIFST, ACIEH  
 PO Box 95, New Ferry, Wirral, CH22 6HA  
 Tel: 0151 671 3331 Mob: 07767 871278  
 email: abbotanalytical@hotmail.co.uk

**Mould Growth Consultants Ltd.**  
 Unit A3 Longmead Business Centre, Blenheim Road, Epsom  
 Surrey KT19 9QQ  
 Tel: 01372 743334 Website: www.mgcltd.co.uk