

 <b>mgsLABORATORIES</b> Microbiological Services and Consultancy			Doc No.		TRA-2010-056-01
			Title		
<b>EN 1650 (2008)</b> <b>Quantitative suspension test for the evaluation of fungicidal activity of chemical disinfectants and antiseptics.</b> <b>(Phase 2 / Step 1)</b>					
Product	RTU Evaporator Cleaner and Disinfectant	MGS No	18911	SO No	2206

<b>a) Identification of test laboratory:</b>	
Test laboratory	MGS Laboratories Ltd Science Centre Coopers Hill Lane Egham Surrey TW20 0LB United Kingdom
<b>b) Identification of the Customer:</b>	
Customer Name	Advanced Engineering Ltd
Customer Address	Guardian House Stroudley Road Basingstoke Hampshire RG24 8NL
<b>c) Identification of the sample:</b>	
Name of product	RTU Evaporator Cleaner and Disinfectant
Batch number (and expiry date if available)	Not stated
Manufacturer (or supplier)	Advanced Engineering Ltd
Date of delivery	12 Mar 10
Storage conditions	Room temperature and darkness
Product diluent recommended by the manufacturer for use	Not stated
Active substance(s) and their concentration(s) (optional)	Not stated
Appearance of the product	Clear blue solution
<b>d) Test method and its validation:</b>	
MGS procedure reference	WIN-1000.051-01
Method	Dilution neutralisation
Neutraliser	Lecithin 3g/l, polysorbate 80 30g/l, sodium thiosulphate 5g/l, L-histidine 1g/l, saponin 30g/l, phosphate buffer powder 0.35g/l
Details of validation of the neutraliser	Neutraliser validation performed according to 5.5.2

NOTE 1: The results relate only to the sample which was tested and cannot be guaranteed to represent the batch from which it was taken.

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<b>e) Experimental conditions:</b>	
Period of analysis	16 Mar 10 – 18 Mar 10
Product diluent used during the test	Standard hardness water 300mg/kg CaCO <sub>3</sub>
Product test concentrations	20% (v/v)
Appearance of product dilutions	Clear blue solution
Contact time	15 minutes ± 10s
Test temperature	20°C ± 2°C
Interfering substance	3.0g/l Bovine albumin
Stability and appearance of the mixture	Precipitate absent throughout test
Temperature of incubation	30°C ± 2°C
Identification of the fungal strains used	<i>Candida albicans</i> ATCC 10231 <i>Aspergillus niger</i> ATCC 16404
<b>f) Results:</b>	
Test results	1) Controls and validation 2) Evaluation of fungicidal or Yeasticidal activity
<b>g) Conclusion:</b>	Based on EN 1650 (2008), the batch of the product RTU Evaporator Cleaner and Disinfectant, supplied by Advanced Engineering Ltd, when diluted at 20% (v/v) in hard water, possesses fungicidal activity in 15 minutes at 20 °C under dirty conditions for the referenced strains of <i>C. albicans</i> and <i>A. niger</i>
<b>h) Deviations:</b>	None

<b>Prepared By:</b> 	<b>Approved by:</b> 
<b>Name:</b> Miss Emma Crane BSc (Hons)	<b>Name:</b> Mrs Kim Morwood BSc (Hons) CBiol MiBiol
<b>Position:</b> Laboratory Manager	<b>Position:</b> Technical Director
<b>Date:</b> 17 April	<b>Date:</b> 19 April

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