

**To evaluate the antimicrobial properties of
Windmill Eliminator according to BS EN 1276
and BS EN 1650**

TECHNICAL SERVICE REPORT NO. B/08/0496

22nd May 2008

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1. Summary

Windmill Eliminator was received for testing according to BS EN 1276 and BS EN 1650.

The sample, when tested neat, met the pass criteria for BS EN 1276 against *Pseudomonas aeruginosa* and *Staphylococcus aureus* in dirty conditions at 20°C within 5 minutes.

The sample also met the pass criteria against *Aspergillus niger* for BS EN 1650 when tested neat, in dirty conditions at 20°C within 15 minutes.

2. Objective

To evaluate the antimicrobial properties of Windmill Eliminator according to BS EN 1276 and BS EN 1650.

3. Method

3.1 Samples

One sample was received for testing on 09.05.08 and labelled as follows:-

Windmill Eliminator.

3.2 Procedures

3.2.1 BS EN 1276 : 1997 Quantitative Suspension Test for the Evaluation of Bactericidal Activity of Chemical Disinfectants and Antiseptics used in Food, Industrial, Domestic and Institutional Areas

3.2.2 BS EN 1650 – Chemical Disinfectants and Antiseptics - Quantitative Suspension Test or the Evaluation of Fungicidal Activity of Chemical Disinfectants and Antiseptics used in Food, Industrial, Domestic and Institutional Areas

4. Results

Results are detailed in the Tables below and are described in the Summary.

TECHNICAL SERVICE REPORT NO. B/08/0496

Table 1 BS EN 1276 Quantitative Suspension Test for the Evaluation of Bactericidal Activity of Chemical Disinfectants and Antiseptics used in Food, Industrial, Domestic and Institutional Areas – Dirty conditions against *Ps aeruginosa*

Test Sample	Validation Test				Bacterial Test Suspension	Test procedure at Concentration % V/V Prepared for Dirty Conditions (3.0% BSA)	
	Bacterial Suspension	Experimental conditions	Neutralizer toxicity control	Dilution-neutralization control		Neat	Hard Water
Windmill Eliminator	1.8 x 10 ⁵	1.1 x 10 ⁵	9.3 x 10 ⁴	1.1 x 10 ⁵	2.1 x 10 ⁸	R = >10 ⁵	R = 1.9

Table 2 BS EN 1276 Quantitative Suspension Test for the Evaluation of Bactericidal Activity of Chemical Disinfectants and Antiseptics used in Food, Industrial, Domestic and Institutional Areas – Dirty conditions against *S. aureus*

Test Sample	Validation Test				Bacterial Test Suspension	Test procedure at Concentration % V/V Prepared for Dirty Conditions (3.0% BSA)	
	Bacterial Suspension	Experimental conditions	Neutralizer toxicity control	Dilution-neutralization control		Neat	Hard Water
Windmill Eliminator	2.4 x 10 ⁵	2.3 x 10 ⁵	2.3 x 10 ⁵	3.4 x 10 ⁵	2.9 x 10 ⁸	R = >10 ⁵	R = 2.2

R = Reduction in viability

If R = >10⁵ = pass

If R = <10⁵ = fail

Temperature = 20°C

Contact Time = 5 mins

TECHNICAL SERVICE REPORT NO. B/08/0496

Table 3 BS EN 1650 – Chemical Disinfectants and Antiseptics - Quantitative Suspension Test or the Evaluation of Fungicidal Activity of Chemical Disinfectants and Antiseptics used in Food, Industrial, Domestic and Institutional Areas – Dirty conditions against *Aspergillus niger*

Test Sample	Validation Test				Fungal Test Suspension	Test procedure at Concentration % V/V Prepared for Dirty Conditions (3% BSA)	
	Fungal Suspension	Experimental conditions	Neutralizer toxicity control	Dilution-neutralization control		Neat	Hard Water
Windmill Eliminator	1.8 x 10 ⁴	1.2 x 10 ⁴	1.6 x 10 ⁴	1.3 x 10 ⁴	1.2 x 10 ⁷	R = >10 ⁴	R = 0.8

R = Reduction in viability
 If R = >10⁴ = pass
 If R = <10⁴ = fail

Temperature = 20°C
 Contact Time = 15 mins

5. Report Review

The work detailed in this report has been carried out according to the Thor Specialities (UK) Limited Standard Methods of Test. All results have been checked by the responsible person and reviewed by the Laboratory Manager.

Signed: 

Date: 27.05.08

Jill Brown B.Sc. (Hons), SCS Dip
Microbiologist

Reviewed: 

Date: 27.05.08

Pamela Pratt
Laboratory Manager

JB/CS 22.05.08

Please note that, unless otherwise stated, the conclusions and any recommendations either made or implied, are based on information drawn from examination of the samples identified in this report only. Since these may be influenced by, for example, infection level variations in raw materials, stored component solutions and manufacturing equipment, it is recommended that some appropriate monitoring of microbiological properties be carried out.

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