

08 Jan. 26

To whom it may concern

**Industrial Mould Remover**

I hereby declare that the products **POWER GREEN 3125, Industrial Mold Remover** is inherently-biodegradable (OECD 301A) and were tested for anti-microbial activity as follows:

**1. BACTOCHEM Labs**

The product was tested in an in-house procedure for efficiency against bacteria common in the food industry with the following results:

Product concentration- 100% (no water added)

Bacteria Name	No. of Reprs.	Initial Concentration (CFU/g)	Final Concentration (CFU/g)	Log reduction
E. Coli	3	4.2 x 10 <sup>5</sup>	< 1.0	5
Enterococcus	3	2.9 x 10 <sup>5</sup>	< 1.0	5
Listeria Monocitogenas	3	1.6 x 10 <sup>5</sup>	< 1.0	5
S. Aureus	3	3.7 x 10 <sup>5</sup>	< 1.0	5
Salmonella	3	3.3 x 10 <sup>5</sup>	< 1.0	5

Test performed on

BACHTOCHEM labs are certified under ISO/IEC 17025.

**2. Eurofins**

**A – TGA Option C**

The product was tested according to Australian regulation, TGA option C.

Product concentration – 50% (1:1 ratio with water)

Bacteria Name	No. of Reprs.	Initial Concentration (CFU/g)	Pass/Fail
S. Aureus	3	8.6 x 10 <sup>8</sup>	Pass
		7.6 x 10 <sup>8</sup>	Pass





		8.9 x 10 <sup>8</sup>	Pass
E. Coli	3	9.6 x 10 <sup>8</sup>	Pass
		9.3 x 10 <sup>8</sup>	Pass
		9.8 x 10 <sup>8</sup>	Pass

**B – Time Kill Test**

The product was tested according to Australian regulation for time kill test for disinfectants, method TMD 110.

Contact time: 20 seconds

Product concentration – 10% (1:9 ratio with water)

Bacteria Name	Initial Concentration (CFU/mL)	Final Concentration (CFU/mL)	Log reduction
S. Aureus	4.30 x 10 <sup>7</sup>	< 10	> 6.63
E. Coli	2.27 x 10 <sup>7</sup>	3.00 x 10	5.89

**C – Mould Kill Test**

The product was tested using an in-house procedure for mould reduction using *Aspergillus Brasiliensis* (ATCC 16404) and passed with a contact time of 1 minute.

Sincerely,

Tammie Tal

B.Sc. and M.Sc. Chemistry

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