

Our Ref: M07005107D an

SILLIKER MICROTECH

6th June 2007

Environmental Fluid Systems
PO Box 1280
WARRNAMBOOL VIC 3280

ATTENTION: MS LORRAINE JOHNSON

Dear Madam,

RE: BIODEGRADABILITY DETERMINATION - ENVIROBORE

A sample marked "Envirobore" was evaluated for its biodegradability in accordance with the procedures in AS4351 Part 2 "Determination by analysis of dissolved organic carbon (DOC)". This standard is technically equivalent to ISO 7827-1994 and is based on OECD "Ready Biodegradability" tests 301 and 301E.

The product was evaluated under the following test conditions.

Initial Organic Carbon Range	:	40.0 mg/L
Biodegradation and Toxicity Control	:	Sodium Benzoate
Microbial Inoculum	:	Mixed Activated Sludge and Secondary Effluent
Microbial Inoculum Level	:	0.05 mL/1000 mL
Incubation Temperature	:	20-25°C

The test was performed over a 21 day period with evaluations of dissolved carbon being performed at 0, 3, 7, 14 and 21 day intervals. Results presented incorporate calculations of blanks and are means of duplicate tests.

Results

Time (days)	Dissolved Organic Carbon (mg/L)			% Biodegradation
	Test 1	Test 2	Mean	
0	39.4	40.5	40.0	-
3	16.9	14.4	15.7	61%
7	5.9	5.6	5.8	86%
14	4.8	4.5	4.7	88%
21	4.9	4.9	4.9	88%
28	3.0	3.5	3.3	92%

The inhibition control displayed no inherent toxicity from the product under test.

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Comment

The sample "Envirobore" meets the requirement for ready biodegradability of a single organic substance or natural product when tested according to AS4351 Part 2.

Yours faithfully,



TREVOR LORMAN BSc(HONS),PhD,MRACI
NATIONAL CHEMISTRY MANAGER

TGA Licence No. 77007

The data pertains solely to the analytical and sampling procedure(s) used and the condition and homogeneity of the sample(s) as received. The data therefore may not be representative of the lot or batch or other samples. Consequently the data may not necessarily justify the acceptance or rejection of a lot or batch, a product recall or support legal proceedings. It is the responsibility of the client to provide all information relevant to the analysis requested. This report does not imply that Silliker Microtech Pty Ltd has been engaged to consult upon the consequences of the analysis and for any action that should be taken as a result of the analysis.