



## Certificate of Analysis

**Description:** Envirogard Microcystins Plate Kit  
**Part Number:** 7540000  
**Lot Number:** 09F1067A  
**Expiration Date:** December 2010  
**Storage Condition:** Refrigerated

### Quality Control Testing

Test	Results	Specification	Pass/Fail
Correlation Coefficient	0.98	$\geq 0.98$	Pass
1.0 ppb Microcystins LR Standard Recovery Value*	1.2	0.9 – 1.3 ppb	Pass

The values above are the mean of all Quality Control results obtained for this lot.

\* prepared from Sigma Microcystins LR standard, Sigma part #: 33983; Oekanal®, 10 µg/mL in Methanol (Reidel-de-Haen)

### Inter-Assay Precision

Inter-assay precision was determined by running two microcystins control solutions in triplicate. The solutions were run in six assays by five operators using five lots of reagents. The results for concentration (ppb) are shown below.

Control	Concentration (ppb)		
	Average	Std. Dev	% CV
1	0.09	0.010	5.29 %
2	1.58	0.044	2.78 %

### Intra-assay Precision

Intra-assay precision was determined by running two microcystins control solutions in triplicate. The solutions were run in nine assays by three operators using three lots of reagents. The results for signal (OD) and concentration (ppb) are shown below.

Control	Signal (OD)		Concentration (ppb)	
	Avg.	% CV	Average	% CV
1	1.29	2.56 %	0.09	5.34 %
2	0.31	4.73 %	1.49	5.51 %

Constance Viering  
Director of Kit Operations

Insert  
Approval  
Stamp Here

7/6/2009

Alan McQuillin  
Director of Quality