

Tuesday, September 20, 2011

Independent Laboratory Corrosion Testing:

FreshAWL, manufacturer of earth conscious waste treatment solutions contracted with Curtis and Tompkins Ltd., a leading independent laboratory located in (Berkeley, CA) to demonstrate that the entire line of WOW-Air products work as corrosion inhibitors when compared to basic tap water.

Steel Coupons were subject to two solutions for comparison in accordance with testing for Corrosivity to Steel (EPA 1110) and consistent with metals used in typical wastewater transmission systems. One solution was tap water and the other was tap water treated with FreshAWL® WOW-Air B™ on steel samples. This test began in July 26, 2011 and ran for a period of 30 days. The results documented that the tap water treated with WOW-Air B substantially reduced corrosion of the steel as compared to the untreated tap water.

- 1-Day Corrosion Comparison – WOW-Air B treated tap water solution had 90% less corrosion than the untreated Tap Water Sample
- 1-Week Corrosion Reduction – WOW-Air B treated tap water solution had 78.2% less corrosion than the untreated Tap Water Sample
- 30-Day Corrosion Reduction-- WOW-Air B treated tap water solution had 15.8% less corrosion than the untreated Tap Water Sample

Even after 30 days WOW-Air B still shows a lesser level of corrosion. However, true to its nature of being biodegradable, its concentration decreased which slowed down its progress.

Continued treatment in a wastewater treatment plant or sewage treatment system will maintain this high level of corrosion inhibition as exhibited in the 1-Day and 1-Week results.

All FreshAWL WOW-Air products contain the same corrosion inhibitor which provides end users the corrosion inhibition benefits outlined in this document.



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

**Laboratory Job Number 229712
ANALYTICAL REPORT**

FreshAWL
1950 Olivera Dr.
Concord, CA 94520

Project : STANDARD
Location : Wow Air-B
Level : II

<u>Sample ID</u>	<u>Lab ID</u>
TAP WATER - 1 DAY	229712-001
TAP WATER - 1 WEEK	229712-002
TAP WATER - 1 MONTH	229712-003
1% WOW AIR-B - 1 DAY	229712-004
1% WOW AIR-B - 1 WEEK	229712-005
1% WOW AIR-B - 1 MONTH	229712-006

Corrosivity to Steel			
Lab #:	229712	Location:	Wow Air-B
Client:	FreshAWL	Analysis:	EPA 1110
Project#:	STANDARD		
Analyte:	Corrosivity	Batch#:	177244
Matrix:	Water	Sampled:	07/26/11
Units:	mm/Yr	Received:	06/09/11
Diln Fac:	1.000		

Field ID	Lab ID	Result	RL	Prepared	Analyzed
TAP WATER - 1 DAY	229712-001	0.30	0.01	07/27/11	07/28/11
TAP WATER - 1 WEEK	229712-002	1.56	0.01	08/03/11	08/03/11
TAP WATER - 1 MONTH	229712-003	6.85	0.01	07/27/11	08/26/11
1% WOW AIR-B - 1 DAY	229712-004	0.03	0.01	07/27/11	07/28/11
1% WOW AIR-B - 1 WEEK	229712-005	0.34	0.01	08/03/11	08/03/11
1% WOW AIR-B - 1 MONTH	229712-006	5.77	0.01	07/27/11	08/26/11

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: 
Senior Program Manager

Date: 09/06/2011

NELAP # 01107CA