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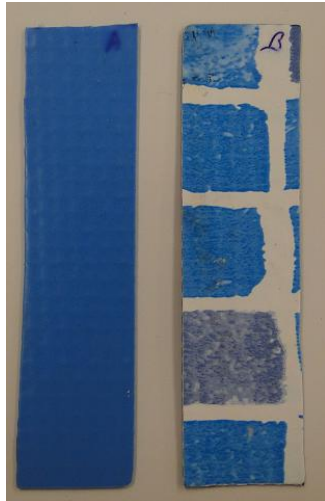
**CRM # 8192-4247
June 22, 2011**

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OBJECTIVE

To conduct soil burial testing on 2 Roof and Pool Liner samples following ASTM D1413-99.

SAMPLE IDENTIFICATION



CONCLUSION

Sample A exhibited a 4.1% weight reduction after soil burial while sample B exhibited a 1.0% weight reduction.

DISCUSSION

The results of the soil burial test are presented in Table I.

EXPERIMENTAL

Soil Burial

One by four inch sections of each sheet were weighed on an analytical balance prior to soil burial in the ASTM chamber. The chamber soil contained a mixture of *Aspergillus niger* and *Penicillium funiculosum* with a temperature set point of 30°C and 100% humidity. After 90 days the samples were removed and rinsed with distilled water. After drying, the samples were again weighed and the differences calculated before and after burial.

RESULTS

TABLE I
SOIL BURIAL ASTM 1413-99

	<u>Sample Weight</u>		<u>Net change</u>
	Before Burial	After Burial	
A	4.8685g	4.6680g	-.2005g (4.1%)
B	3.8600g	3.8239g	-.0361g (0.94)



**Testing carried out
by:**

Name: Daniel H. Brown

Position: Sr. Microbiologist

Project Dates:

Start: 12-7-10

Finish: 3-21-11

Reference:

N.B. Ref. 12953-141



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