



ASPHALT TECHNOLOGIES, INC.



TEST & EVALUATION REPORT

August 1, 2017

Report For: U.S. Seal International, Inc.
13155 Thomas Creek Rd.
Reno, Nevada 89511

Attn: Robert Archie

Email: Robert@gopitchblack.com

Sample Data/Information:

Sample ID	Material	Date Received	Quantity	Source
Batch 1071	Pitch Black	07/24/17	1 Gallon	U.S. Seal, Reno, NV

Client: U.S. Seal International, Inc.

Project No.: USII 01-02-02

OBJECTIVE: Allow the sealer sample to evaporate for 48 hours and then evaluate the residue for PAH Content in accordance with EPA Method 8310.

DATA/RESULTS:

Table 1. Summary of PAH Content Evaluated for Sample Residue per EPA Method 8310


PROPERTY	TEST METHOD	SPECIFICATION	RESULTS
			Batch 1071 (Residue)
Total PAH Content, ppm	EPA 8310	Report	0.00

DISCUSSION: Solids for each liquid sealer was obtained in accordance with ASTM D2939. This dried residue was then evaluated for PAH content in accordance with EPA 8310. Per the method, a total of 18 individual PAH compounds were evaluated.

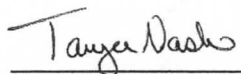
The above Table 1 shows the Total PAH content for each sample residue:

For Batch 1071 (residue), none of the 18 evaluated PAH compounds were found above the Method Detection Limit and the Total PAH content was reported as 0.00 ppm.

See Table 2 in the Appendix for the full results of PAH Content evaluated per EPA Method 8310.

Tested by: 
Steven Loeffler, Analytical Technician

Date: August 1, 2017

Reviewed by: 
Tanya Nash, P.E., Client Services Manager

Date: August 1, 2017



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APPENDIX

Table 2. Summary of Complete PAH Content Evaluation per EPA Method 8310

PROPERTY		TEST METHOD	Method Detection Limit (ppm)	Practical Quantification Limit (ppm)	RESULTS
					Batch 1071 (Residue)
PAH, ppm	1-Methylnaphthalene	EPA 8310	0.0700	0.133	<0.0700
	2-Methylnaphthalene		0.0500	0.133	<0.0500
	Acenaphthene		0.0800	0.133	<0.0800
	Acenaphthylene		0.0500	0.133	<0.0500
	Anthracene		0.0300	0.133	<0.0300
	Benzo(a)anthracene		0.0400	0.133	<0.0400
	Benzo(a)pyrene		0.0500	0.133	<0.0500
	Benzo(b)fluoranthene		0.0400	0.133	<0.0400
	Benzo(g,h,i)perylene		0.0500	0.133	<0.0500
	Benzo(k)fluoranthene		0.0300	0.133	<0.0300
	Chrysene		0.0400	0.133	<0.0400
	Dibenz(a,h)anthracene		0.0400	0.133	<0.0400
	Fluoranthene		0.0400	0.133	<0.0400
	Fluorene		0.0500	0.133	<0.0500
	Indeno(1,2,3-cd)pyrene		0.0500	0.133	<0.0500
	Naphthalene		0.0600	0.133	<0.0600
	Phenanthrene		0.0400	0.133	<0.0400
Pyrene	<0.0700	0.133	<0.0700		