



TESTING TECHNOLOGY FOR SPORT

Laboratory Study

Aragonite Green

Report Number: 96552/8112H

Report Status: Final

Client: Calcean Minerals & Materials LLC

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TESTING TECHNOLOGY FOR SPORT

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REGIONAL LOCATIONS

-Seattle, Washington

-Columbia, Missouri

-Dallas, Texas

-Los Angeles, California

-Montreal, Quebec

Foreword

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Date:	04/03/26	Date:	04/03/26
Signed:		Signed:	
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Test Method:

- *FIFA 14: Procedure for the determination of heat on artificial turf products*

2" Blended Product with Thatch 18"x18" Dry and Wet Samples were Tested:

- 2 lbs. SBR and 4 lbs. Sand
- 5 lbs. Sand and 5 lbs. Aragonite Green

Note: The wet sample was treated with 64 oz. of water using a pump sprayer.

Heat Test Dry			Heat Test Wet	
2" Blended Product with Thatch 18" x 18" Sample			2" Blended Product with Thatch 18" x 18" Sample	
Elapsed Time [min]	2 Lbs.SBR /4 Lbs. Sand [°F] <i>Control Sample</i>	5 lbs. Sand/ 5 lbs. Aragonite Green [°F]	2 Lbs.SBR /4 Lbs. Sand [°F] <i>Control Sample</i>	5 lbs. Sand/ 5 lbs. Aragonite Green [°F]
0	89.6	67.6	78.3	68.9
5	107.8	82.8	98.2	76.3
10	115.7	89.4	104.5	80.2
15	120	94.1	109.4	82.6
20	123.6	97.7	110.5	84.4
30	127.9	103.1	113.2	87.4
40	131	107.2	115.2	89.1
50	132.6	110.1	116.1	90.5
60	134.8	113	117	91.9
75	136.2	116.2	116.8	93.2
90	137.8	118.6	125.4	94.3
105	138.7	120.9	128.7	95.2
120	139.8	122.2	131	95.7
135	140.7	124	132	96.3
150	140.5	125.2	133.2	96.6
165	142.2	126.1	132.8	96.8
180	142.2	126.7	133.7	97.2
Category	2→3	2	2	1

Category	Temperature Range [°F]	System Category
1	<122	
1→2	122→130	
2	131→139	
2→3	140→149	
3	>149	

End of Report