



TESTING TECHNOLOGY FOR SPORT

CAM17 & EN71-3 Heavy Metal Testing

Aragonite Natural

Report Number: 96551/8110

Report Status: Final

Client: Calcean Minerals & Materials LLC

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TESTING TECHNOLOGY FOR SPORT

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REGIONAL LOCATIONS



-Seattle, Washington

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Report Number	96551/8110	Report Date	04/03/26
Project Name	Aragonite Natural	Test Date	04/03/26
Client Information	Calcean		
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INTRODUCTION

Testing was carried out in accordance with CAM17 and EN71-3 standards.

TEST METHODS

CAM17 and EN71-3: *Analysis of heavy metals*

CAM17 & EN71-3

EN71-3 Metals	Result	Lowest Calibration Level	Test Method	Sample Detection Level	Pass/Fail
Chromium (VI)	PASS	0.2/0.053 (Scraped)	ICP-OES	0.2/0.053 (Scraped)	PASS
Aluminum (Al)	< 30 mg/Kg	28,130	ICP-OES	28,130	PASS
Antimony (Sb)	< 7 mg/Kg	560	ICP-OES	560	PASS
Arsenic (As)	< 5 mg/Kg	47	ICP-OES	47	PASS
Barium (Ba)	< 30 mg/Kg	18,750	ICP-OES	18,750	PASS
Boron (B)	< 30 mg/Kg	15,000	ICP-OES	15,000	PASS
Cadmium (Cd)	< 2 mg/Kg	17	ICP-OES	17	PASS
Chromium (Cr) (III)	< 1 mg/Kg	460	ICP-OES	460	PASS
Cobalt (Co)	< 10 mg/Kg	130	ICP-OES	130	PASS
Copper (Cu)	< 10 mg/Kg	7,700	ICP-OES	7,700	PASS
Lead (Pb)	< 9 mg/Kg	23	ICP-OES	23	PASS
Manganese (Mn)	< 10 mg/Kg	15,000	ICP-OES	15,000	PASS
Mercury (Hg)	< 7 mg/Kg	94	ICP-OES	94	PASS
Nickel (Ni)	< 10 mg/Kg	930	ICP-OES	930	PASS
Selenium (Se)	< 7 mg/Kg	460	ICP-OES	460	PASS
Strontium (Sr)	1184 mg/Kg	56,000	ICP-OES	56,000	PASS
Tin (Sn)	< 8 mg/Kg	180,000	ICP-OES	180,000	PASS
Zinc (Zn)	< 30 mg/Kg	46,000	ICP-OES	46,000	PASS
Organic Tin	PASS	12	ICP-OES	12	PASS

The sample submitted by the client passed EN71-3 testing requirements.



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CAM17 & EN71-3

CAM17 Metals	Result: Concentration ppm	Reporting Limit	Test Method	Date
Antimony (Sb)	< 5.0 mg/kg	2.5 ug	EPA SW846 3050B/6010D	1-21-2025
Arsenic (As)	< 2.0 mg/kg	1 ug	EPA SW846 3050B/6010D	1-14-2025
Barium (Ba)	< 6.6 mg/kg	2.5 ug	EPA SW846 3050B/6010D	1-14-2025
Beryllium (Be)	< 2.0 mg/kg	1 ug	EPA SW846 3050B/6010D	1-14-2025
Cadmium (Cd)	< 0.99 mg/kg	0.5 ug	EPA SW846 3050B/6010D	1-14-2025
Chromium (Cr)	< 5.0 mg/kg	2.5 ug	EPA SW846 3050B/6010D	1-14-2025
Cobalt (Co)	< 20 mg/kg	2.5 ug	EPA SW846 3050B/6010D	1-14-2025
Copper (Cu)	<5.0 mg/kg	2.5 ug	EPA SW846 3050B/6010D	1-14-2025
Lead (Pb)	< 20 mg/kg	2.5 ug	EPA SW846 3050B/6010D	1-14-2025
Mercury (Hg)	< 0.20 mg/kg	0.10 ug	EPA SW846 7471B	1-14-2025
Molybdenum (Mo)	< 5.0 mg/kg	2.5 ug	EPA SW846 3050B/6010D	1-14-2025
Nickel (Ni)	<20 mg/kg	2.5 ug	EPA SW846 3050B/6010D	1-14-2025
Selenium (Se)	< 5.0 mg/kg	2.5 ug	EPA SW846 3050B/6010D	1-14-2025
Silver (Ag)	< 5.0 mg/kg	2.5 ug	EPA SW846 3050B/6010D	1-14-2025
Thallium (Tl)	< 20 mg/kg	2.5 ug	EPA SW846 3050B/6010D	1-14-2025
Vanadium (V)	< 5.0 mg/kg	2.5 ug	EPA SW846 3050B/6010D	1-14-2025
Zinc (Zn)	< 20 mg/kg	2.5 ug	EPA SW846 3050B/6010D	1-14-2025

Samples with results indicated by a "less than" (<) symbol have concentrations below the reporting limit for each metal, based on a 50 mL sample volume. To convert the metal concentration from ppm to percent by weight, divide the concentration value by 10,000.

End of Report