

BOWSER-MORNER, INC.

Delivery Address: 4518 Taylorsville Rd • Dayton, Ohio 45424 Mailing Address: P.O. Box 51 • Dayton, Ohio 45401

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LABORATORY REPORT

Report To: The Pyne Rock Corporation
Attn: Morgan Duncan
101 Knoll Crest Circle
Homewood, AL 35209

Report Date: 01/09/25
Job No.: 20001439
Report No.: 615785
No. of Pages: 1

Report On: Elemental Analysis of One (1) Sandstone Sample

Sample ID: Coarse Aggregate

Date Received: 11/25/24

Procedure: Chemical Analysis of Limestone, Quicklime and Hydrated Lime (ASTM C 25)

Analysis Description	Test Results
Calcium (Ca), %:	9.52
Calcium Oxide (CaO), %:	13.32
Calcium Carbonate (CaCO ₃), %:	23.77
Magnesium (Mg), %:	0.86
Magnesium Oxide (MgO), %:	1.43
Magnesium Carbonate (MgCO ₃), %:	2.98
Iron Oxide (Fe ₂ O ₃), %:	17.42
Aluminum Oxide (Al ₂ O ₃), %:	5.55
Silicon (Si), %:	20.78
Silicon Dioxide (SiO ₂), %:	44.46

For the chemical analysis of limestone, ASTM test methods C 25 (classical methods), C 1301 (atomic absorption), and C 1271 (x-ray emission) all measure the concentration of elements. In reporting the results, each test method assumes that the elements in the limestone are present as specific mineralogical oxides and carbonates. For some materials, these mineralogical assumptions may not be applicable and the sum of the compounds may be less than or greater than a theoretical 100%.

Should you have any questions, or if we may be of further service, please contact me at 937-236-8805, extension 269.

Respectfully submitted,
BOWSER-MORNER, INC.

Brooke L. Chapman, Manager
Construction Materials and
Geotechnical Laboratories

BLC/cm
615785
1-File
1-morgan@pynerock.com