BOWSER-MORNER, INC.

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

AASHTO/ISO 17025 Accredited • USACE Validated



LABORATORY REPORT

Report To:

The Pyne Rock Corporation

Report Date:

01/09/25

Attn: Morgan Duncan

Job No.:

20001439

101 Knoll Crest Circle

Report No.:

615785

Homewood, AL 35209

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.

BLC/cm 615785 1-File

1-morgan@pynerock.com

Brooke L. Chapman, Manager Construction Materials and

Geotechnical Laboratories

All Reports Remain The Confidential Property Of BOWSER-MORNER And No Publication Or Distribution Of Reports May Be Made Without Our Express Written Consent, Except As Authorized By Contract. Results Contained In This Report Are Reflective Only Of The Items Calibrated Or Tested. Unless Otherwise Agreed, Samples or Specimens Will Be Discerded Or Returned At Bowser-Morner's Discretion. AASHTO/ISO 17025 Accreditation applies only to the parameters included in BOWSER-MORNER'S current scope of accreditation. Go to www.bowser-morner.com/accreditations for review.