

BOWSER-MORNER, INC.

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

AASHTO/ISO 17025 Accredited • USACE Validated



LABORATORY REPORT

Report To: E. Dillon & Company
Attn: Dustin Sanders
PO Box 160
Swords Creek, VA 24649

Report Date: May 17, 2022
Job No.: 205390
Report No.: 202021
No. of Pages: 1

Report On: Laboratory Analysis of One Rock Dust Sample
Sample No. 050522, Date Sampled 05/05/22
PO No. 26812

On May 10, 2022, one sample of rock dust was submitted for selected laboratory analysis. Testing was performed as specified by the client and in accordance with the following procedures:

ASTM C 110, "Physical Testing of Quicklime, Hydrated Lime, and Limestone".
ASTM C 1271, "X ray Spectrometric Analysis of Lime and Limestone".
MH-102, "Gravimetric Method for Determining Incombustible Content for Dust Samples".

Results are presented in the following table.

Sieve Size	Percent Passing
No. 8	100
No. 10	99.9
No. 20	99.9
No. 30	99.9
No. 40	99.9
No. 50	99.9
No. 60	99.7
No. 100	97.5
No. 200	75.5
Incombustible Content, %:	99.5

Should you have any questions, or if we may be of further service, please contact me at (937) 236-8805, extension 322.

Respectfully submitted,
BOWSER-MORNER, INC.

Karl A. Fletcher, Vice President
Assistant Director, CMT &
Geotechnical Laboratories

KAF/ras/lhg
202021
1-File
1-dsanders@edillon.com

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: E. Dillon & Company
Attn: Dustin Sanders
P.O. Box 160
Swords Creek, VA 24649

Report Date: 05/17/22
Job No.: 205390
Report No.: 202022
No. of Pages: 1

Report On: Elemental Analysis of One Stone Sample

Date Received: 05/10/22

Procedure: ASTM C 1271, "X ray Spectrometric Analysis of Lime and Limestone"

Sample ID: Rock Dust - Sample No. 050522

Date Sampled: 05/05/22

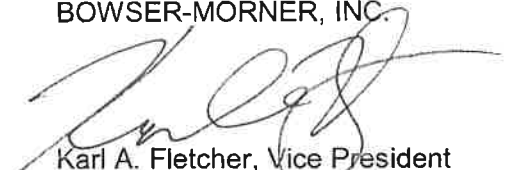
PO No: 26812

Analysis Description	Test Results
Calcium (Ca), %:	20.46
Calcium Oxide (CaO), %:	28.63
Calcium Carbonate (CaCO ₃), %:	51.09
Magnesium (Mg), %:	12.47
Magnesium Oxide (MgO), %:	20.67
Magnesium Carbonate (MgCO ₃), %:	43.24
Iron Oxide (Fe ₂ O ₃), %:	0.25
Aluminum Oxide (Al ₂ O ₃), %:	0.47
Silicon (Si), %:	0.79
Silicon Dioxide (SiO ₂), %:	1.68

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 322.

Respectfully submitted,
BOWSER-MORNER, INC.


Karl A. Fletcher, Vice President
Assistant Director, CMT &
Geotechnical Laboratories

KAF/ras/lfg
202022
1-File
1-dsanders@edillon.com