

BOWSER-MORNER, INC.

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LABORATORY REPORT

Report To: Livingston Stone Company
Attn: Chris Matich
11828 North 1600 East Road
Pontiac, IL 61764

Report Date: 10/01/25
Job No.: 20005835
Report No.: 124303
No. of Pages: 1

Report On: Elemental Analysis of One Crushed Stone Sample

Date Received: 01/28/25

Source: Element Analysis

Sample ID: Fine Aggregate

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

Analysis Description	Test Results
Calcium (Ca), %:	37.10
Calcium Oxide (CaO), %:	51.91
Calcium Carbonate (CaCO ₃), %:	92.65
Magnesium (Mg), %:	0.29
Magnesium Oxide (MgO), %:	0.48
Magnesium Carbonate (MgCO ₃), %:	1.01
Iron Oxide (Fe ₂ O ₃), %:	0.91
Aluminum Oxide (Al ₂ O ₃), %:	0.55
Silicon (Si), %:	1.40
Silicon Dioxide (SiO ₂), %:	2.99

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 &
Geotechnical Laboratories

BLC/ras/drj

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1-File

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