



## REPORT OF TESTS ON COARSE AGGREGATE

**TESTED FOR:** Amrize  
6211 N Ann Arbor Road  
Dundee, MI 48131

**PROJECT:** 101963.06

**Work Order #:** 26-1116

**DATE:** 01/19/26

**REMARKS:** Lafarge Manitoulin Pit #95-005

**SAMPLE TYPE:** Coarse Aggregate for Concrete 6AA

**SUBMITTED BY:** Lafarge Canada, Inc.

*One (1) sample of Coarse Aggregate was delivered to our laboratory. The following presents the results of the required physical tests:*

| <u>REQUIRED TESTS</u> |            |                                                          | <u>TEST RESULTS</u> |
|-----------------------|------------|----------------------------------------------------------|---------------------|
| (1)                   | ASTM C142  | Clay Lumps and Friable Particles                         | 0.1%                |
| (2)                   | ASTM C123  | Chert Content<br>(Using a liquid of 2.4 sp.gr.)          | 0%                  |
| (3)                   | ASTM C123  | Coal and Lignite<br>(Using a liquid of 2.0 sp.gr.)       | 0%                  |
|                       |            | Sum of Clay Lumps, Friable<br>Particles, and Chert       | 0.1%                |
| (4)                   | ASTM C117  | Material Finer than #200 Sieve                           | 0.8%                |
| (5)                   | ASTM C131  | Abrasion of Coarse Aggregate<br>(Los Angeles- Grading B) | 24%                 |
| (6)                   | ASTM C88   | Soundness of Coarse Aggregate<br>(Magnesium Sulfate)     | 3%                  |
| (7)                   | ASTM C127  | Specific Gravity (Bulk Dry SpGr)                         | 2.79                |
|                       |            | (SSD SPGr)                                               | 2.81                |
|                       |            | (Apparent SpGr)                                          | 2.84                |
|                       |            | % Absorption                                             | 0.6%                |
| (8)                   | ASTM D4791 | Flat and Elongated Particles<br>Ratio (3:1 aspect ratio) | 9%                  |

The sample conforms to ASTM C-33 Table 2 Grading Requirements for size 57 Coarse Aggregate, Limits for Deleterious Substances and the Physical Requirements of Coarse Aggregate for concrete used in Severe Weathering Regions. The sample also conforms to MDOT Coarse Aggregate series 6AA grading requirements.

**REPORTED BY:** Errol Gilbert, CET

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**REVIEWED BY:** Jonathan Camburn, PE

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