



State of Minnesota Department of Transportation

Aggregates Test Report

Office of Materials and Road Research

1400 Gervais Avenue

Maplewood, MN 55109

Sample ID Number: CO-PS12-0002

Project Number: For Info Only

Field ID: #237
Date Sampled: 10/15/2012
Date Received: 10/23/2012
Approved: 11/14/2012 15:31
TH Number:
Depth: 4.00 to 16.00
Grade Spec:
Spec Class:
Quality Spec:
Plant Name:
Comment: SALO TOWNSHIP 47-21-23

Billing Agency:
Project Engineer: D.MARTIN
Submitter: C.JENNINGS DNR
IAS Name:
Pit #:
Pit Name:
Pit Owner:
Sampled From: AITKIN CO.DRILL HOLE
Usage: DNR PROSPECTING

Test Procedures: AASHTO T-19, T-21, T-27(M), T-30(M), T-84(M), T-85(M), T-96(M), T-104(M), T-113(M), T-176(M), T-248(M), T-304 Method A, ASTM C123, ASTM C535, ASTM D3042, ASTM D4791(M), Micro Deval(MP), Percent Crushing(MP) M = MN/DOT Modified MP = MN/DOT Procedures

| % Passing Sieve: | Lab Test | Field Test | Spec. Limits | |
|---------------------|-------------|---------------|--------------|------|
| | | | Low | High |
| 75mm (3") | 100 | | | |
| 63mm (2 1/2") | 91 | | | |
| 50mm (2") | 91 | | | |
| 37.5mm (1 1/2") | 89 | | | |
| 31.5mm (1 1/4") | 88 | | | |
| 25.0mm (1") | 88 | | | |
| 19.0mm (3/4") | 87 | | | |
| 12.5mm (1/2") | 87 | | | |
| 9.5mm (3/8") | 86 | | | |
| 4.75mm (#4) | 84 | | | |
| 2.36mm (#8) | 81 | | | |
| 2.00mm (#10) | 80 | | | |
| 1.18mm (#16) | 78 | | | |
| 600um (#30) | 74 | | | |
| 425um (#40) | 70 | | | |
| 300um (#50) | 64 | | | |
| 150um (#100) | 38 | | | |
| 75um (#200) | 21.4 | | | |

| | |
|-------------------|--------|
| % Shale in Sand | ***0.0 |
| % Spall Argillite | 0.9 |
| % Carbonate | 0.3 |
| % Other Rock | 98.9 |
| % Total Spall | 0.1 |
| % BA Spall +4 | 0.9 |

* Value does not meet Spec
~ Value out of Field Lab Tolerance
*** Trace (0.00 - 0.05) Detected
% Shale in Sand N.C. = Trace

☐ Meets Requirements
☐ Does Not Meet Requirements
☒ For Info Only
☐ Incentive/Disincentive

☐ Unable to Verify
☐ Unable to Verify, Not Enough Material Supplied
☐ Within Lab-Field Tolerance
☐ Out of Lab-Field Tolerance

Comments:

Copies To
DNR - H. ARENDS

Charge: 1 - 1012
1 - 1013
1 - 1014
1 - 1029

Report Approved By:

David B. Bahr