



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-PS12-0013

Project Number: For Info Only

Field ID: 248
Date Sampled: 10/23/2012
Date Received: 11/08/2012
Approved: 11/30/2012 14:16
TH Number:
Depth: 0.00 to 20.00
Grade Spec:
Spec Class:
Quality Spec:
Plant Name:
Comment: MALMO TOWNSHIP 45-25-11

Billing Agency:
Project Engineer: D. MARTIN
Submitter: C.JENNINGS
IAS Name:
Pit #:
Pit Name:
Pit Owner:
Sampled From: DRILL HOLE
Usage: 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
63mm (2 1/2")	100			
50mm (2")	99			
37.5mm (1 1/2")	95			
31.5mm (1 1/4")	94			
25.0mm (1")	89			
19.0mm (3/4")	84			
12.5mm (1/2")	77			
9.5mm (3/8")	73			
4.75mm (#4)	64			
2.36mm (#8)	57			
2.00mm (#10)	55			
1.18mm (#16)	50			
600um (#30)	40			
425um (#40)	34			
300um (#50)	24			
150um (#100)	9			
75um (#200)	5.0			
% Shale in Sand	0.8			
% Iron Oxide	0.20			
% Misc. Spall	1.35			
% Total Sample Spall	1.1			
% BA Spall +4	1.5			

* 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