



## 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-PS12-0018

Project Number: For Info Only

Field ID: 195  
Date Sampled: 10/24/2012  
Date Received: 11/08/2012  
Approved: 12/7/2012 15:22  
TH Number:  
Depth: 0.00 to 8.00  
Grade Spec:  
Spec Class:  
Quality Spec:  
Plant Name:  
Comment: AITKIN CO. WAGNER TOWNSHIP S17

Billing Agency:  
Project Engineer: D. MARTIN  
Submitter: C. JENNINGS  
IAS Name:  
Pit #:  
Pit Name:  
Pit Owner:  
Sampled From: 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
63mm (2 1/2")	100			
50mm (2")	96			
37.5mm (1 1/2")	96			
31.5mm (1 1/4")	96			
25.0mm (1")	96			
19.0mm (3/4")	95			
12.5mm (1/2")	92			
9.5mm (3/8")	89			
4.75mm (#4)	79			
2.36mm (#8)	64			
2.00mm (#10)	59			
1.18mm (#16)	44			
600um (#30)	21			
425um (#40)	14			
300um (#50)	9			
150um (#100)	5			
75um (#200)	3.6			

% Shale in Sand	***0.0
% Unsound Chert	0.10
% Spall Argillite	0.7
% Carbonate	0.6
% Schist	0.79
% NonSpall Argillite	0.4
% TotalSpallSpall	0.2
% BA Spall +4	0.8

\* 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:

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DNR - H. ARENDS

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Report Approved By: