



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-PS12-0007

Project Number: For Info Only

Field ID: 198
Date Sampled:
Date Received: 10/23/2012
Approved: 11/19/2012 14:01
TH Number:
Depth: 2.00 to 16.00
Grade Spec:
Spec Class:
Quality Spec:
Plant Name:
Comment: WAGNER S23

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
63mm (2 1/2")	100			
50mm (2")	98			
37.5mm (1 1/2")	97			
31.5mm (1 1/4")	95			
25.0mm (1")	93			
19.0mm (3/4")	92			
12.5mm (1/2")	90			
9.5mm (3/8")	89			
4.75mm (#4)	87			
2.36mm (#8)	84			
2.00mm (#10)	84			
1.18mm (#16)	81			
600um (#30)	76			
425um (#40)	69			
300um (#50)	57			
150um (#100)	26			
75um (#200)	14.0			

% Shale in Sand	***0.0
% Iron Oxide	2.40
% Carbonate	0.7
% Schist	0.21
%TotalSamplSpall	0.3
% BA Spall +4	2.4

* 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