



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-PS11-0001

Project Number: For Info Only

Field ID: 101,102,103
Date Sampled: 11/01/2010
Date Received: 12/09/2010
Approved: 2/10/2011 16:15
TH Number:
Depth: 3.00 to 18.00
Grade Spec:
Spec Class:
Quality Spec:
Plant Name:
Comment: COMPOSITE OF SAMPLES

Billing Agency:
Project Engineer: D. MARTIN
Submitter: DNR - H. ARENDS
IAS Name:
Legal: NW1/4 NW1/4 Sec 05 - 123 - 29
Pit Name:
Pit Owner: DNR
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
75mm (3")	100			
63mm (2 1/2")	95			
50mm (2")	93			
37.5mm (1 1/2")	90			
31.5mm (1 1/4")	88			
25.0mm (1")	87			
19.0mm (3/4")	85			
12.5mm (1/2")	82			
9.5mm (3/8")	80			
4.75mm (#4)	69			
2.36mm (#8)	57			
2.00mm (#10)	53			
1.18mm (#16)	41			
600um (#30)	22			
425um (#40)	13			
300um (#50)	9			
150um (#100)	5			
75um (#200)	3.5			

% Shale in Sand	0.2
%Total Shale +4	0.1
%TotalSamplShale	0.2
% Spall Argillite	0.1
% Carbonate	36.2
% Iron Oxide	0.60
% Ochre	0.0
% Unsound Chert	0.10
% Schist	0.06
%TotalSamplSpall	0.4
% 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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% Passing	Lab	Field	Spec. Limits
Sieve:	Test	Test	Low High

Copies To
DNR - H. ARENDS

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

Report Approved By: