



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-PS12-0031

Project Number: For Info Only

Field ID: 275
Date Sampled:
Date Received: 11/30/2012
Approved: 12/18/2012 8:07
TH Number:
Depth:
Grade Spec:
Spec Class:
Quality Spec:
Plant Name:
Comment: HILL LAKE S18 52-26-18

Billing Agency:
Project Engineer: D.MARTIN
Submitter: C.JENNINGS
IAS Name:
Pit #:
Pit Name:
Pit Owner:
Sampled From: AITKIN CO. GRAB
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
37.5mm (1 1/2")	100			
31.5mm (1 1/4")	99			
25.0mm (1")	98			
19.0mm (3/4")	95			
12.5mm (1/2")	93			
9.5mm (3/8")	91			
4.75mm (#4)	83			
2.36mm (#8)	72			
2.00mm (#10)	68			
1.18mm (#16)	55			
600um (#30)	32			
425um (#40)	20			
300um (#50)	11			
150um (#100)	2			
75um (#200)	1.1			
% Shale in Sand	0.1			
% Unsound Chert	0.10			
% Misc. Spall	0.31			
% Carbonate	8.1			
% Total Spall	0.1			
% BA Spall +4	0.4			

* 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