



# 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-PS12-0042**

**Project Number: For Info Only**

Field ID: 266  
Date Sampled:  
Date Received: 12/10/2012  
**Approved:** 12/24/2012 9:11  
TH Number:  
Depth:  
Grade Spec:  
Spec Class:  
Quality Spec:  
Plant Name:  
Comment: 48-24-16

Billing Agency:  
Project Engineer: D. MARTIN  
Submitter: C. JENNINGS  
IAS Name:  
Pit #:  
Pit Name:  
Pit Owner:  
Sampled From: AITKIN CO.  
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")	93			
37.5mm (1 1/2")	89			
31.5mm (1 1/4")	88			
25.0mm (1")	84			
19.0mm (3/4")	78			
12.5mm (1/2")	73			
9.5mm (3/8")	69			
4.75mm (#4)	57			
2.36mm (#8)	44			
2.00mm (#10)	42			
1.18mm (#16)	35			
600um (#30)	26			
425um (#40)	21			
300um (#50)	16			
150um (#100)	8			
75um (#200)	4.5			
<hr/>				
% Shale in Sand	1.7			
% Paint Rock	0.3			
% Iron Oxide	0.10			
% Spall Argillite	1.8			
% Misc. Spall	0.70			
% Total Spall	2.2			
% BA Spall +4	2.9			

\* 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*