

STATE OF ALASKA
Department of Transportation & Public Facilities
Central Materials Lab

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Laboratory Report

QUALITY

PROJECT NAME: Sand Point Airport Runway Bgt. PROJECT NO. AIP 3-02-0253-0904 / 57797
 LABORATORY NO. 04A-2716
 SAMPLE OF: Armor Stone ITEM/SPECIFICATION NO.: P-185a FIELD NO.: Q-AS-Q-2
 SAMPLED FROM: Stockpile DATE SAMPLED: 12/09/2004
 SOURCE/SUPPLIER: Knoll Quarry QUANTITY REPRESENTED: Source DATE RECEIVED: 12/13/04
 LOCATION/ADDRESS: Sand Point AK SUBMITTED BY: L. Berger DATE COMPLETED: 01/03/2005
 EXAMINED FOR: Conformance DATE REPORTED: 01/03/2005

Sieve Analysis

SIEVE	Lab	Specs.
4"		
3"		
2"		
1 1/2"		
1"		
3/4"		
1/2"		
3/8"		
1/4"		
#4		
#8		
#16		
#30		
#40		
#50		
#80		
#100		
#200		
.02mm		
.002mm		

Fineness Modulus

LI
 PL
 PI

Lab	Specs
± Fracture	
Single Face	
Double Face	
Flat Elongated, 3:1	
5:1	
Uncompacted Voids of FA	

	Coarse	Specs	Fine	Specs
Dry Weir, No. of				
Specific Gravity, Bulk	2.76			
Specific Gravity, SSD	2.78	2.55 min		
Specific Gravity, App.	2.82			
ASTM T 89 ± Absorption	0.7	2 max		
Lightweight Part., %				
ASTM C 88 Friable Particles, %				
Sulfate Sound, % Loss	2	5 max		
ASTM C 535 L.A. Abrasion, % Loss	47	50 max		
% Loss @ 200 revs	5	10 max		
ASTM T-13 Normal Abrasion				
Degradation	81	40 min		
Stick & Rock, %				
Sand Equivalent				
% Organic				

MORTAR MAKING PROPERTIES OF SAND

Organic Impurities [] Less [] More than 500 PPM
 Compressive Strength, psi (if More than....)
 Control Sample Ratio Spec.

7 Day
 28 Day

Remarks: Expensive Breakdown in Ethylene Glycol

CRD-C 148-69

(4.8%) Specs. 2 max

When Processed to conform to grading requirements, this material is satisfactory for:

The Material as Submitted Conforms to Specifications
 Yes [] No [X] NA []

Signature Newton Bingham
 Newton J. Bingham, PE

Regional Materials Engineer

THE TEST RESULTS ARE ONLY REPRESENTATIVE OF THE MATERIAL AS SUBMITTED.