

STATE OF ALASKA
Department of Transportation & Public Facilities
Central Materials Lab
 5750 EAST TUDOR RD, ANCHORAGE AK 99507
 Phone (907)-269-6200 FAX (907) 269-6201
Laboratory Report

QUALITY

PROJECT NAME: Sand Point Airport Runway Ext. PROJECT NO. AIP 3-02-0253-0904 / 57797 LABORATORY NO. 04A-2662
 SAMPLE OF: Armor Stone ITEM/SPECIFICATION NO.: P-185a FIELD NO.: Q-AS-Q-1
 SAMPLED FROM: Stockpile DATE SAMPLED: 11/15/2004
 SOURCE/SUPPLIER: Knoll Quarry QUANTITY REPRESENTED: Source DATE RECEIVED: 11/19/2004
 LOCATION/ADDRESS: Sand Point AK SUBMITTED BY: L. Berger DATE COMPLETED: 01/03/2005
 EXAMINED FOR: Quality DATE REPORTED: 01/03/2005

Sieve Analysis

STIEVE	Lab	Specs.
4"		
3"		
2"		
1 1/2"		
1"		
3/4"		
1/2"		
3/8"		
1/4"		
#4		
#8		
#10		
#16		
#30		
#40		
#50		
#80		
#100		
#200		
.075mm		
.002mm		

% Fracture
 Single Face
 Double Face
 Flat Elongated, 3:1
 5:1
 Uncompacted Voids of FA

	Lab	Specs	
		Coarse	Fine
Specific Gravity, Bulk	2.72		
Specific Gravity, SSD	2.75	2.45 min	
Specific Gravity, App.	2.80		
% Absorption	1.1	2 max	
Lightweight Part., %			
Finable Particles, %			
Sulfate Sound, % Loss	4	5 max	
S.A. Abrasion, % Loss	28	50 max	
% Loss @ 200 revs	8	10 max	
Sound Abrasion			
Degradation	60	40 min	
Sticks & Blocks, %			
Sand Equivalent			
% Organic			

AASHTO T 85
 ASTM C 88
 ASTM C 333
 ATM 313

Fineness Modulus

IL
 PL
 PT

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: Expansive Breakdown in Ethylene Glycol
CRD-C 148-69
9.3% 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.