

Mappa Inc

1956 Richardson Hwy
North Pole, AK 99705
907-488-1266

November 10, 2025

Granite Construction
11471 Lang St
Anchorage, AK 99515

Project: Polychrome Area Improvements

Source: **MP230 Parks Highway "The Rock Alaska Pit"**
Gabion Rock

Tests: AASHTO T210 Aggregate Durability Index
AASHTO T96 LA Abrasion

Here are the results of the aggregate sample you delivered on 11/5/25. The rock was hand crushed down to testing size by Mappa.

Sample #	Test	Method	Result	Spec
25-1215	Durability Index (D _c) Procedure A*	AASHTO T210	89	50 min
	Abrasion	AASHTO T96 Grading B	14 %	50 % max

*Strict temperature control was maintained. Distilled water used

If there are any questions, please call 488-1266.

Thank you,

Stefan Mack

Stefan Mack, PE
Mappa Inc

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ASTM C131 / AASHTO T96

Resistance to Degradation of Small-Sized Coarse Aggregate
 by Abrasion and Impact in the Los Angeles Machine

Client: Granite **Project:** Polychrome Area Improvements

Sample# 25-1215 **Date Rec:** 11/5/2025 **Date Test:** 11/8/2025

Aggregate Source: Parks Hwy MP 230 Pit The Rock Alaska Pit

Aggregate Type: Gabion Rock

Nominal Maximum Size: NA (1.5" max)

Indicate weight of test samples, Grading, # of spheres, and weight of spheres

Sieve Size		Mass of Indicated Sizes, gms				Sample, g
Passing	Retained	A	B	C	D	
1.5	1	1250 +/- 25				
1	3/4"	1250 +/- 25				
3/4"	1/2"	1250 +/- 25	2500 +/- 10			2500.4
1/2"	3/8"	1250 +/- 25	2500 +/- 10			2500.3
3/8"	1/4"			2500 +/- 10		
1/4"	# 4			2500 +/- 10		
# 4	# 8				5000 +/- 10	
Totals		5000 +/- 10	5000 +/- 10	5000 +/- 10	5000 +/- 10	5000.7
# of Balls (Charge)		12	11	8	6	11
Mass of Charge		5000 +/- 25	4584 +/- 25	3330 +/- 20	2500 +/- 15	4579.0

Weight of Oven Dried Material Coarser Than 1.70 mm (#12 Sieve) (to nearest gram)

Final Weight + Tare (g): 4300
 Tare Weight (g): 0
 Final Weight (g): 4300

Percent Loss (% loss): 14 (nearest 1%)

Calculations:

% loss = (Original Weight - Final Weight) * 100 / Original Weight

Tested By: Chris Mack
 Checked By: Stefan Mack