

Aggregate Data Sheet

Idaho Transportation Department

ITD 0901 (Rev. 10-15)
itd.idaho.gov



☐ QC Test ☐ Verification Test ☐ Acceptance Test

Key Number	Project Number Pit Inventory	Contract Item Number	Item Description 1/2" B rock plantmix		
Sample Location wash plant		Aggregate Source No. TN57c	Qty Represented 1000 ton	Date Sampled 11/13/24	Date Tested 11/13/24
Testing Laboratory Qualification Number 6033		Time Sample Obtained	Time Test Started	Test Number 60	

AASHTO T255 Moisture

Use Grams			
Moisture Content	Coarse	Fine	Combined
Mass of Wet Sample			2552.4
Mass of Dry Sample			2526.4
Mass of Water			26.0
% Moisture			1.0%

Mass of Dry Sample Before Wash

or When Wash Not Required (M1):

2526.4

Mass of Dry Sample After Wash (M2)

2496.2

Mass Washed Through .075 mm (#200)

30.2

AASHTO T27 Sieve Analysis

Coarse Sieve Spec.	Sieve Size mm (in.)	Multiple Drops (Single)	(A) Accum. Mass	(1) Total % Ret.	Total % Pass	Fine Sieve Spec.	Sieve Size mm (in.)	(B) Accum. Mass	(A) (2) Accum. Comb. Mass	(1) Total % Ret.	Total % Pass
						6	2.36 (#8)	2446.9	2446.9	96.9	3
							2.00 (#10)				
	50.0 (2)					5	1.18 (#16)	2450.2	2450.2	97.0	3
	37.5 (1 1/2)					5	.600 (#30)	2454.9	2454.9	97.2	3
	25.0 (1)						.425 (#40)				
	19.0 (3/4)	0.0	0.0	0.0	100	4	.300 (#50)	2463.3	2463.3	97.5	2
96	12.5 (1/2)	287.9	287.9	11.4	89	3	.150 (#100)	2471.5	2471.5	97.8	2
70	9.5 (3/8)	1338.9	1338.9	53.0	47	2.3	.075 (#200)	2481.1	2481.1	98.2	1.8
10	4.75 (#4) (M ₃)	2428.8	2428.8	96.1	4	Pan (-.075) (M ₆)		2496.1	2496.1		
(1) Total % Ret. = A / M ₁ x 100 M ₃ = Accum mass retained on 4.75 (#4) sieve						(B) Accumulated mass of individual fine sieve (2) = (B x R) + M ₃					

Pan Mass P-4.75 (M ₄)	M ₄ = mass of minus 4.75 (#4) material	Mass of Split -4.75 (M ₅)	M ₅ = mass of split minus 4.75 (#4) material actually sieved	Ratio of Split (R)	Ratio Formula: R = M ₄ / M ₅ (must be calculated to 3 decimal places)
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Check Sum - M₆ must be within ± 0.3% of M₂ when washed or M₁ when not washed. **Note:** Coarse and Fine Check Sum required with ratio.

Total Sample Check Sum: When Washed [(M ₂ -M ₆) / M ₂] x 100 0.0%	When Not Washed [(M ₁ -M ₆) / M ₁] x 100
Coarse Check Sum: When Washed [M ₂ - (M ₄ +M ₃)] / M ₂ x 100	Fine Check Sum: (M ₅ - M ₆) / M ₅ x 100
When Not Washed [M ₁ - (M ₄ +M ₃)] / M ₁ x 100	

AASHTO T176 Sand Equivalent

Sand reading / clay reading x 100 = S.E. Spec: _____

Sand Reading _____ x 100 =

Clay Reading _____

ID T72 Cleanness Value (English formula)

CV = $\frac{3.214 - (0.214 \times H) \times 100}{3.214 + (0.786 \times H)}$ CV =

Spec: Height = _____

AASHTO T335 Fracture Count

P = Percent of fracture	$P = [(F + Q / 2) / (F+Q+N)] \times 100$	F	899.4	% 1 Face	F	860.2	% 2 Face
Q = Mass of questionable or borderline particles		Q		Spec:	Q		Spec:
F = Mass of fractured particles		N	34.9	P= 96.3	N	55.8	P= 93.9
N = Mass of unfractured particles (or not meeting fracture requirements)							

Remarks (Document corrective action taken on failing tests)

	Date	Checker's Int'l	WAQTC Number
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Sampled By N Freeman	WAQTC Number 20,775	Date 11/13/2024	Tested By N Freeman	WAQTC Number 20,775	Date 11/13/2024
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Distribution: ☐ Resident Engineer (Original) ☐ Tester ☐ Testing Lab