

Material: TY-A Grade 1-2 Base

SIEVE	CUM.	IND.	IND.	CUM.	%	WASHED		
SIZE	WEIGHT	WEIGHT	% RET	% RET	PASS	SPECS		
2 1/2	0.0	0.0	0.0	0.0	100.0	0	to	0
1 3/4	0.0	0.0	0.0	0.0	100.0	0	to	10
7/8	0.0	0.0	0.0	0.0	100.0	10	to	35
3/8	657.0	657.0	21.9	21.9	78.1	30	to	65
#4	1319.0	662.0	22.1	44.0	56.0	45	to	75
#40	2363.0	1044.0	34.8	78.8	21.2	65	to	90
#200	2599.0	236.0	7.9	86.6	13.4	90	to	100
Pan / Total	3000.0	401.0	13.4	100.0	0.0	****	to	****
		3000.0						

Wet Ball Gradation

SIEVE	CUM.	IND.	IND.	CUM.	%	WASHED		
SIZE	WEIGHT	WEIGHT	% RET	% RET	PASS	SPECS		
2 1/2	0.0	0.0	0.0	0.0	100.0	0	to	0
1 3/4	0.0	0.0	0.0	0.0	100.0	0	to	10
7/8	0.0	0.0	0.0	0.0	100.0	10	to	35
3/8	448.0	448.0	12.8	12.8	87.2	30	to	65
#4	957.0	509.0	14.5	27.3	72.7	45	to	75
#40	2338.0	1381.0	39.5	66.8	33.2	65	to	90
#200	2449.0	111.0	3.2	70.0	30.0	90	to	100
Pan / Total	3500.0	1051.0	30.0	100.0	0.0	****	to	****
		3500.0						

SIEVE	IND.	IND.	CUM.	%	BULK/DRY		
SIZE	WEIGHT	% RET	% RET	PASS	SPECS		
2 1/2	0.0	0.0	0.0	100.0	0	to	0
1 3/4	0.0	0.0	0.0	100.0	0	to	10
7/8	0.0	0.0	0.0	100.0	10	to	35
3/8	5401.0	23.2	23.2	76.8	30	to	65
#4	5513.0	23.7	46.9	53.1	45	to	75
#40	8097.0	34.8	81.7	18.3	65	to	90
#200	2394.0	10.3	92.0	8.0	90	to	100
PAN	1857.0	8.0	100.0	0.0	****	to	****
Total	23262.0						

WASHED/DRY DIFF.

SIEVE	DIFF.
2 1/2	0.0
1 3/4	0.0
7/8	0.0
3/8	1.3
#4	3.0
#40	3.0
#200	5.4

Original % of (-) # 40 Material = $100 \times (C - D) / C$

Original mass of sample : C = 3000.0

Mass of material retained on the #40 : D = 2363.0

Original % of (-) # 40 Material = 21.2

Dry Weight of total sample: A = 3500.0

Weight of retained material: B = 2338.0

WBM: 33.2 40 MAX

Percent Increase = WBM- Original % of minus # 40

Percent Increase = 12.0 20 MAX