

Courtesy of QCQA.com

STANDARD TEST FOR FLAT OR ELONGATED PARTICLES (+ 4.75 mm)

DATE: _____

SAMPLE NO. _____
 MATERIAL _____
 COUNTY _____
 SOURCE _____

CALIPER RATIO (CIRCLE) : 5:1 4:1 3:1 2:1

SIEVE	% RETAINED [A]	RATIO [C]	WEIGHT [D]*	WT. FLAT & ELONG. [E]**	% FLAT OR ELONG. [F]***	[F] x [C]
37.5 mm (1 1/2")						
25.0 mm (1")						
19.0 mm (3/4")						
12.5 mm (1/2")						
9.5 mm (3/8")						
4.75 mm (No. 4)						

_____ ← TOTAL PERCENT RETAINED [B] TOTAL % FLAT OR ELONGATED = _____

RATIO [C] = % RETAINED /TOTAL PERCENT RETAINED = [A]/[B]

% FLAT AND ELONGATED [F] = WT. FLAT & ELONG [E] / WEIGHT [D] = [E]/[D] x 100

TOTAL % FLAT OR ELONGATED = SUM OF { % FLAT OR ELONGATED [F] x RATIO [C] = [F] x [C]}