Example Mechanical Sieve Analysis

Sample Jar No.	12	Sieve Stack + Pan Mass, g [A]	3293.3
Sieve Stack + Soil Mass, g [B]	3928.6	Pre-Sieve Soil Mass, g [C] = [B - A]	635.3
Final Soil Mass, g [Sum F]	634.1	% Difference [100% x (C - Sum F) / C]	0.2

U.S. Standard Sieve No.	Sieve Size, mm	Sieve Mass, g [D]	Sieve+Soil Mass, g [E]	Indiv Soil Mass Ret, g [F] = [E - D]	Cum Soil Mass Ret, g [G]	Cumm % Ret [H] =100G/Sum F	% Passing [J]=100-H
3/8"	9.5	632.5	634.2	1.7	1.7	0.3	99.7
No. 4	4.750	525.2	548.9	23.7	25.4	4.0	96.0
No. 10	2.000	407.4	443.6	36.2	61.6	9.7	90.3
No. 16	1.180	351.4	410.1	58.7	120.3	19.0	81.0
No. 40	0.425	385.4	516.2	130.8	251.1	39.6	60.4
No. 100	0.150	331.8	501.2	169.4	420.5	66.3	33.7
No. 200	0.075	288.3	430.5	142.2	562.7	88.7	11.3
Pan		371.3	442.7	71.4	634.1	100.0	
Totals			Sum F =	634.1