

METHODS OF SAMPLING AND TESTING
MT 226-16
MAXIMUM ACCEPTABLE DEVIATIONS
IN THE SIEVE ANALYSIS OF INDEPENDENT ASSURANCE SAMPLES
(Montana Method)

1 Scope

- 1.1 This method shall serve as a guide in evaluating the maximum acceptable deviations in the sieve analysis of **Independent Assurance** samples. If the individual grading percentages vary from the group average percentages by more than the amounts listed, the cause must be determined and the error remedied. Deviation percentages are based on the weight of the total sample.

2 References***MT Materials Manual***

MT 201 Sampling Roadway Materials

MT 602 Independent Assurance and Final Record Sampling

MT 607 Procedure for Reducing Field Samples of Aggregate to Testing Size

Sieve Size	Permissible Variation
4" (100 mm)	±3%
3" (75 mm)	±3%
2 1/2" (63 mm)	±3%
2" (50 mm)	±3%
1 1/2" (37.5 mm)	±3%
1" (25 mm)	±3%
¾" (19 mm)	±3%
5/8" (16.0 mm)	±3%
½" (12.5 mm)	±3%
3/8" (9.5 mm)	±3%
No. 4 (4.75 mm)	±2%
No. 8 (2.36 mm)	±2%
No. 10 (2.00 mm)	±2%
No. 16 (1.18 mm)	±2%
No. 30 (0.600 μm)	±2%
No. 50 (0.300 μm)	±2%
No. 100 (0.150 μm)	±2%
No. 200 (0.075 μm)	±1.5