

**STANDARD TEST METHOD**

**SIEVE ANALYSIS (DRY)**

**SCOPE:**

1. British Standard (B.S.S) test sieve sizes and the amount of sample to be tested is given in the specification for the raw material being tested.
2. Dry sieving is used for coarse materials that are easy to sieve.

**APPARATUS:**

1. ENDECOTTS Octagon 200 sieve shaker.
2. BS410 standard sieves (200 mm diameter).
3. Balance accurate to 0.1 g.
4. Receiver and lid.

**PROCEDURE:**

1. Nest the appropriate sieves together with the coarsest sieve uppermost grading down to the finest at the bottom with the receiver (or pan) at the bottom to collect the fines.
2. Weigh out the specified amount of sample and put it on the top sieve.
3. Where specified on the relevant Raw Material Specification it is necessary to thoroughly mix 5% by weight Whiting with the pre-weighed sample. The Whiting acts as a screening aid by breaking up agglomerates and lubricating the screens for more reproducible results. The amount of Whiting used is deducted from the pan fraction.
4. Put the lid on and place stack of sieves on the shaker.
5. Place the clamp plate on top of the sieves by loosening knobs on both clamp blocks. Position the clamp blocks so that the hooks can be engaged. Adjust position of clamp block so that the bottom edge of the clamp plate lies between the two red lines on the clamp block tubes. Tighten both handles firmly. Push down hard levers on both toggle clips simultaneously and ensure the sieves are properly clamped.

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	ISS.	REVISION	DATE	DR.	AP'D
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	6.	Converted from WordPerfect. Converted to Electronic Distribution.	11.10.00		
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6. Turn power on to shaker. Set the amplitude controller to 8 or 9. Turn the process timer to 30 minutes unless otherwise specified.
7. Weigh material retained on each sieve and calculate as a percentage. Report as % + ..... mesh except for fines (collected in receiver) which is reported as % - ..... the finest sieve used.

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