



AS 1141.3.1—2012

Methods for sampling and testing aggregates
Method 3.1: Sampling—Aggregates

Sampling from stockpiles using a backblading method (from AS 1141.3.1 Clause 9.3 (b))

The procedure shall be as follows:

(i) Cut a step in the stockpile from near the full height to the base of the stockpile using the loader bucket. Draw this material into a heap on a flat clean surface. (See Figure 1 & 2)



(ii) Level the top of the heap with the power shovel and take sufficient material from near the centre of the levelled heap, ensuring that all material removed is retained, to provide one sample increment from each heap





Procedure (from AS 1141.3.1 Clause 6.1)

When obtaining a sample increment do not sample material which has dropped back into the hole after the initial increment has been removed.

Sample increment (from AS 1141.3.1 Clause 6.2)

The amount of material taken in each sample increment shall be in accordance with the nominal size of aggregate being sampled and shall be not less than the relevant mass given in Table 1.

Samples (from AS 1141.3.1 Clause 6.3)

Samples shall consist of at least five sample increments of approximately equal mass

All sample increments shall be combined and mixed thoroughly to form a homogeneous sample prior to any dividing or screening of the sample.

Table 1 Minimum mass per sample increment

Nominal size, mm	75	40	28	20	14	10	7	5	<5
Mass, kg	10	6	5	4	3	2	2	1	1



From AS 1141.3.1 Clause 6.2 NOTE: When a single sample increment is used to indicate production quality, the mass of the sample increment should be in accordance with Table 2 (i.e. 5 times the mass of a 5 sample increment mass)

Table 2 Minimum mass per sample

Nominal size, mm	75	40	28	20	14	10	7	5	<5
Mass, kg of Graded material	50	30	25	20	15	10	10	5	5

Packaging & identification (from AS 1141.3.1 Clause 11)

Records, Containers & Labelling requirements will be specified on the Control Plan.