

FINE AGGREGATE ANALYSIS

Minimum Frequency - MONTHLY

1. Obtain a manufacturer's grading test certificate
2. Record grading details.
3. Where applicable record acceptable grading envelope from previous report form.
4. Complete cumulative grading details.
5. Compare Aggregate to minimum acceptable specifications and circle conforming or non-conforming.
6. Conduct organic impurities test (colour) on Aggregate and circle conforming or non-conforming.
7. Initial PASS or FAIL box.

Notes:

- i) The results of a NATA endorsed lab report shall be used to complete this form for all new suppliers or new type prior to delivery.
- ii) A reference sample is maintained for comparative purpose and use in supplier investigation.
- iii) SS = Single Sized G = Graded

If non-conforming do the following:

- a. Advise the designated quality coordinator of non-conformance and provide them with a copy of this form. – NCR shall be raised.
- b. Colour outside reference standard:
 - Remove and isolate material, investigate with supplier.
- c. Grading outside Civilmart Poles specification or acceptable grading envelope (where applicable):
 - Investigate with supplier and if required agree upon a new acceptable grading envelope.
 - If required contact Concrete Technology Section for further assistance with developing an approved mix.
 - Where an approved mix is developed record the agreed acceptable grading envelope of the new aggregate.

Informative Note:

Any deviation from the Civilmart Poles specification may compromise product quality, mix workability and result in increased cement usage.

SIZE:	Graded or single size (circle one)	TEST No.:	TEST DATE:	DELIVERY DATE:
SUPPLIER	Manufacturer's Test Certificate? Y / N			
	Submitted grading attached? Y / N			

SIZE:	Graded or single size (circle one)			TEST No.						
SIEVE SIZE	RETAINED MATERIAL			% PASSING						
				TEST SAMPLE	CIVILMART POLES SPECIFICATION					Pass / Fail (Initial)
	Mass	%	Cum. %		Supplier's submitted grading	Limits of deviation from AS2758.1 Table 2	Acceptable Grading Envelope			
							Lower limit	Upper limit		
9.5								100		
6.7								100		
4.75							95	100		
2.36							80	95		
1.18							60	75		
0.6							25	45		
0.42							15	30		
0.3							5	20		
0.15							1	8		
0.075							0	2		
PAN		GRADING				Grading	Conforming		Non-conforming	
Sample Mass						Colour	Conforming		Non-conforming	
		Fineness modulus				Overall	Pass		Fail	

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