

CUSTOMER Afrimat Aggregates (EC) (Pty) Ltd

P. O. Box 34162  
 Newton Park  
 Port Elizabeth, 6055

ATT : Mr. R. Rutters  
 REF : C24952 / AECPO 0005397

PROJECT : Denver Quarry

JOB/ROAD : -

DATE RECEIVED :

DATE TESTED :

DATE REPORTED : 07.08.2015

PKG

SAMPLING PROCEDURE : Delivered to the laboratory

### AGGREGATE TEST REPORT

|   |  |                            |  |  |  |  |  |
|---|--|----------------------------|--|--|--|--|--|
| Sample Number   | Y28571                                 |                            |  |  |  |  |  |
| Field No.   | -                                      |                            |  |  |  |  |  |
| Position  | -                                      |                            |  |  |  |  |  |
| Material Description  | Fine Grit                              |                            |  |  |  |  |  |
| Nominal size of Coarse Aggregate /<br>Class of Fine Aggregate | Crushed or<br>Milled Fine<br>Aggregate | Specification<br>SANS 1083 |  |  |  |  |  |

### Sieve Analysis (%) Passing - SANS 201

|                |          |        |          |  |  |  |  |
|----------------|----------|--------|----------|--|--|--|--|
| SIEVE APERTURE | 75.0 mm  |        |          |  |  |  |  |
|                | 63.0 mm  |        |          |  |  |  |  |
|                | 53.0 mm  |        |          |  |  |  |  |
|                | 37.5 mm  |        |          |  |  |  |  |
|                | 26.5 mm  |        |          |  |  |  |  |
|                | 19.0 mm  |        |          |  |  |  |  |
|                | 13.2 mm  |        |          |  |  |  |  |
|                | 9.5 mm   |        |          |  |  |  |  |
|                | 6.7 mm   |        |          |  |  |  |  |
|                | 4.75 mm  | 100    | 92 - 100 |  |  |  |  |
|                | 2.36 mm  | 83     |          |  |  |  |  |
|                | 1.18 mm  | 62     |          |  |  |  |  |
|                | 0.600 mm | 47     |          |  |  |  |  |
|                | 0.425 mm | 40     |          |  |  |  |  |
|                | 0.300 mm | 33     |          |  |  |  |  |
| 0.150 mm       | 22       | 5 - 25 |          |  |  |  |  |
| 0.075 mm       | 16       |        |          |  |  |  |  |

### Material Characteristics

|   |                |    |            |  |  |  |  |
|---|----------------|----|------------|--|--|--|--|
| Dust Content <sup>2)</sup>                          | (%) SANS 201   | 16 |            |  |  |  |  |
| Fineness Modulus                                    | SANS 201       |    | 1.2 - 3.5  |  |  |  |  |
| Methylene Blue Adsorption Value <sup>3)</sup>       | SANS 6243      |    | Max 0.7    |  |  |  |  |
| Clay Content <sup>4)</sup>                          | (%) SANS 6244  |    | Max 2      |  |  |  |  |
| Chloride Content <sup>5)</sup>                      | (%) SANS 202   |    |            |  |  |  |  |
| Concrete for prestressing                           |                |    | Max 0.01   |  |  |  |  |
| Concrete for Normal and non-reinforced              |                |    | Max 0.03   |  |  |  |  |
| Organic Impurities                                  | SANS 5832      |    | Not Darker |  |  |  |  |
| Presence of Sugar                                   | SANS 5833      |    | Nil        |  |  |  |  |
| Soluble Deleterious Impurities (%)                  | SANS 5834      |    | 85         |  |  |  |  |
| Flakiness Index (%)                                 | SANS 5847      |    |            |  |  |  |  |
| ACV (%)   | SANS 5841      |    |            |  |  |  |  |
| 10% FACT (Dry) <sup>7)</sup>                        | (kN) SANS 5842 |    |            |  |  |  |  |
| <i>Except where not subject to surface abrasion</i> |                |    |            |  |  |  |  |

<sup>2)</sup> These values may be exceeded in certain circumstances - see clause 4.2.3 of SANS 1083:2006 Ed 2.2

<sup>3)</sup> Applicable only if dust content exceeds limit of Table 1 of SANS 1083: 2006 Ed 2.2 - see clause 4.2.3 of SANS 1083:2006 Ed 2.2

<sup>4)</sup> Applicable only if dust and methylene blue adsorption values exceed the relevant limits given in Table 1 of SANS 1083: 2006 Ed 2.2

<sup>5)</sup> Caution should be taken to prevent the contamination of stockpiles specifically w.r.t. the washing of stockpiles

<sup>6)</sup> Optional alternative to 10% FACT value

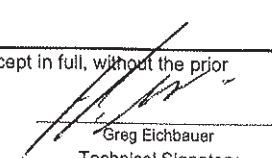
<sup>7)</sup> Test fraction passing the 13.2mm and retained on the 9.5mm sieves

\* Denotes a non-standard test

The above test results are pertinent only to the samples received and tested at the laboratory. This report shall not be reproduced, except in full, without the prior consent of Labco.

Name :

Position :

  
 Greg Eichbauer  
 Technical Signatory