

**CERTIFICATE OF ANALYSIS**

**TINOPAL DMA-X**

General Customer Version of specification effective from: 27-Aug-2004

Item: 30482936

Lot: 0011660110

Manufacturing date: 30-Mar-2014

Testing date: 31-Mar-2014

| Test Point / Test Method   | Unit | Requirements<br>Lower / Upper     | Results         |
|--|------|-----------------------------------|-----------------|
| <b>Appearance</b><br>VISUAL TEST   |      | FINE GRANULES                     | FINE GRANULES   |
| <b>Product colour</b><br>VISUAL TEST   |      | IS LIGHT YELLOW<br>IS LIGHT BEIGE | IS LIGHT YELLOW |
| <b>SOLUBILITY AT 98 C, CHARAC</b><br>DISSOLVE<br>5 G/L BOILING DIST WATER                      |      | TRACE TURBIDITY<br>IS CLEAR       | IS CLEAR        |
| <b>ABSORBANCE</b><br>UV-VIS SPECTROSCOPY<br>15 MG/L 0.01M NaOH,350NM,10MM                      |      | 0.627 - 0.679                     | 0.643           |
| <b>ABSORPTION 1% DIL./1 CM</b><br>UV-VIS SPECTROSCOPY  |      | 418 - 453                         | 429.0           |
| <b>DI-ANILINO-HYDROXY-TRIAZINE</b><br>HIGH PERF. OR THIN LAYER LIQ. CHROM.                     | %    | <= 0.04                           | <0.025          |
| <b>SUM OF TRIAZINES</b><br>HIGH PERF. OR THIN LAYER LIQ. CHROM.<br>TRIAZINES (AAH + AMM + AAM) | %    | <= 0.78                           | <0.15           |

Notes :

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