

CHETAN R. RAIKAR  
Managing Director

PAGE 1 OF 1

CERTIFICATE NO. & DATE: R&D/LAB/2007/12368/2137  
20/10/2007

1. Name & Address of Customer: M/s. Altron Chemicals.  
Plot No.25, Sr.no.83/1, Sambhaji Nagar, Saidapur,  
Kondhave, Satara.

2. Project / Site: Plot No.25, Sr.No.83/1, Sambhaji Nagar, Saidapur, Opp. Yash Dhaba,  
Kondhave Road, Kondhave, Satara.

3. Customer's Reference: Ltr.no.LT/3/2007/DTD.29-08-07

4. Sample

i) Description: Steel

ii) Quantity: 4 Nos.

iii) Date of receipt: 30/08/2007

iv) Condition: Acceptable

5. Test method followed, if any: IS: 2770

6. Date of Testing: 07/09/2007

**TEST REPORT****PULL OUT STRENGTH:**

- 1) Grade of Concrete: M-35
- 2) Specimen: Steel bars of untreated & treated with steel guard NANOCOAT have been embedded in concrete mould while casting cubes were cured for 28 days & tested.

Sr. No.	ID Mark	Dia (mm)	Age (Days)	Slipped Load (KN)	Pullout Strength (N/mm <sup>2</sup> )
1.	Steel bars untreated with steel guard NANOCOAT	16	28	45.0	11.19
2.	"	20	"	75.8	12.06
3.	Steel bars treated with steel guard NANOCOAT	16	"	86.6	21.53
4.	"	20	"	152.5	24.26

NOTE -- This certificate refers only to the sample submitted for testing.  
-- This certificate is valid at the time of and under the conditions specified herein.  
-- This certificate may not be reproduced in part, without the permission of this laboratory.  
-- Any correction invalidates this certificate.

ar/d:/report2007-08/physical/steelpullout/12386.xls

*Namil*  
EXECUTIVE - R&D

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