

**GALVANISING TEST REPORT**

Sr.No: MET/QC/2018-19/ 273

Date: 18.07.2018

CUSTOMER NAME:  NIEDAX CABLE MANAGEMENT SYSTEMS PVT LTD	P.O.NO.		LOT QTY.(M.T/ Kgs)	7.650 MT	
	INVOICE No/ Date	181910273/ 18.07.2018		NUMBERS	727 Nos
	Material description	LADDER 300X50 MM, PERFORATED 450X50 MM, 200X50 MM, 150X50 MM		SAMPLIN G Size	As per IS4759:1996 sampling plan table -2

I. DESTRUCTIVE TESTS

1. PREECE TEST

IS 2633:1986 (Standard: No copper deposit to be found)

Sr.No. of Sample	Surface Area (test piece)	No. of one minute dip	Remarks
1	50x2.5x100 mm long	4 DIP	No copper deposition found

2. STRIPPING TEST

IS 6745:1972(standard: 460 gms/sq.m)

Type of the sample (Test piece)	Surface Area	Galvanized sample wt.	Black weight	Coating weight	Remarks
50x2.5x100 mm long	0.0109	104.275	98.125	6.15	564.22 gms/metersquare

ii NON DESTRUCTIVE TESTS

1. HAMMER TEST/KNIFE TEST

IS 2629:1985 (Standard:No peeling to be observed)

Type of the sample (Test piece)	TESTS AREAS			Remarks
	1	2	3	
50x2.5x100 mm long	no peel off	no peel off	no peel off	no peeling is found

2. ELCOMETER TEST

IS 3203 :1982(Standard: 65 microns ,Minimum)

No. of Sample	Reading in Microns at the test areas								Remarks
	A	B	C	D	E	F	G	H	
1	72	68	79	69	73	66	75	66	accepted
2	66	66	71	73	70	72	78	73	accepted
3 (Up to 25 nos)	71	70	67	69	65	70	69	65	accepted
4	69	66	73	78	67	66	71	79	accepted
5 (26 to 100 nos)	75	71	69	66	78	72	69	66	accepted
6	73	66	72	67	72	69	77	67	accepted
7	75	69	79	72	69	75	68	70	accepted
8[101 to 150nos]	70	66	72	66	70	66	69	67	accepted
9	69	72	65	70	68	72	70	66	accepted
10	73	66	73	65	79	68	79	70	accepted
11	66	70	79	69	75	78	69	78	accepted
12	78	66	69	70	72	66	70	69	accepted
13[151to500nos]	66	72	78	69	78	67	79	70	accepted
14	72	69	66	65	66	79	75	79	accepted
15	67	77	69	76	79	68	72	66	accepted
16	72	69	68	66	67	79	77	79	accepted
17	68	69	71	79	78	69	65	70	accepted
18	78	71	65	77	70	65	68	74	accepted
19	70	69	67	65	66	70	74	69	accepted
20 (501 to 1000nos)	73	70	77	79	69	79	81	72	accepted

	Quantity Accepted	Quantity to be reworked	Remarks
727 Nos	Accepted	nill	accepted

Note: Testing is done on Test piece ,Which is attached to the principle material during hot dip galvanizing. This is done as the principle material is large size, which cannot be dipped into copper sulphate solution to conduct preece test and during the stripping test a layer of zinc is removed from the material. Hence the test piece is used for this test. Electrolytic test is conducted on principal material.



Witnessed by (Customer)  
*Perica*  
*MICOB*

METCRAFT  
For METCRAFT ENGINEERING  
QC/HDG/F-03 Rev 0; 2.7.2012  
QA Engineer