

TEST CERTIFICATES



SCIENTIFIC AND INDUSTRIAL
TESTING AND RESEARCH CENTRE
TESTING LABORATORY

SiTarc®

STAINLESS STEEL

1.0 DETAILS OF THE SAMPLE:

S.NO	Description	Observed
1.1	Referenece to this Standard	IS 9879 : 7998
1.2	Name of the Sample	MMC38-FRICTION STAY2.5mm-10inch-304
1.3	Sample ID	-

Description of the sample and specified requirements are received in data sheet enclosed with Customer's Letter

4.0 TEST RESULT

Test Started on: 07.10.2024

Test Completed on: 07.10.2024

S.NO	Test \ Test Method Parameter	UOM	Standard specified		Observed Values/ Result	Verdict
			Min	Max		
4.1	Carbon(C) IS 9879 :1998	%	-	-	0.20	-
4.2	Silicion(Si) IS 9879 :1998	%	-	-	0.35	-
4.3	Phosphorous(P) IS 9879 :1998	%	-	-	0.035	-
4.4	Sulphur(S) IS 9879 :1998	%	-	-	0.001	-
4.5	Chromium(M) IS 9879 :1998	%	-	-	13.33	-
4.6	Molybdenum(Mo) IS 9879 :1998	%	-	-	0.018	-
4.7	Nickel(Ni) IS 9879 :1998	%	-	-	1.22	-
4.8	Copper(cu) IS 9879 :1998	%	-	-	0.73	-

S.NO	Test \ Test Method Parameter	UOM	Standard specified		Observed Values/ Result	Verdict
			Min	Max		
4.1	Manganese(Mn) IS 9879 :1998	%	-	-	10.23	-
4.2	Titanium(Ti) IS 9879 :1998	%	-	-	0.003	-
4.3	Nitrogen(N) IS 9879 :1998	%	-	-	0.16	-

SLFQA050/01-00/07-23



Reviewd & Authorized By

K.R. ULAGANATHAN
Director

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**SCIENTIFIC AND INDUSTRIAL
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Si'Tarc®

ALUMINIUM ALLOY

1.0 DETAILS OF THE SAMPLE:

S.NO	Description	Observed
1.1	Referenece to this Standard	ASTM E 1251:2017
1.2	Name of the Sample	MMC01-1 CASEMENT HANDLE m-10inch-304
1.3	Sample ID	-
Description of the sample and specified requirements are received in data sheet enclosed with Customer's Letter		

4.0 TEST RESULT

Test Started on: 07.10.2024

Test Completed on: 07.10.2024

S.NO	Test \ Test Method Parameter	UOM	Standard specified		Observed Values/ Result	Verdict
			Min	Max		
4.1	Silicon(Si) ASTM E 1251:2017	%	-	-	7.63	-
4.2	Iron(Fe) ASTM E 1251:2017	%	-	-	0.90	-
4.3	Copper(Cu) ASTM E 1251:2017	%	-	-	0.34	-
4.4	Manganese (Mn) ASTM E 1251:2017	%	-	-	0.30	-
4.5	Magnesium (Mg) ASTM E 1251:2017	%	-	-	0.23	-
4.6	Magnesium (Mg) ASTM E 1251:2017	%	-	-	0.051	-
4.7	Nickel(Ni) ASTM E 1251:2017	%	-	-	0.014	-
4.8	Zinc (Zn) ASTM E 1251:2017	%	-	-	0.47	-
4.9	Titanium (Ti) ASTM E 1251:2017	%	-	-	0.022	-
4.10	Lead (Pb) ASTM E 1251:2017	%	-	-	0.022	-
4.11	Aluminium (Ai) ASTM E 1251:2017	%	-	-	89.92	-
4.12	Tin (Sn) ASTM E 1251:2017	%	-	-	0.005	-
4.13	Total Others ASTM E 1251:2017	%	-	-	-	-

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Si'Tarc®

SALT SPARY TEST

1.0 DESCRIPTION OF THE SAMPLE:

Name of the test sample	MMC63 - 2 Casement Espag 800 mm		
Duration of test	120 Hrs. (Declared)	Method of test	ASTM B 117
Description of the sample and specified requirements are received in data sheet enclosed with Customer's Letter			

4.0 TEST RESULT

4.1 SALT MIST TEST (CL :10)

4.1.1 Test Condition of Sample

The test sample placed in the salt Spray chamber for the following condition as per procedure.

S.NO	Requirements	
1	Distilled water by weight	95 Parts
2	Sodium chloride (AR) by Weight	5 Parts
3	Specific gravity	1.0268 to 1.0413
4	pH	6.5 to 7.2
5	Temperature	35 + 3 °C

4.1.2 Test Results

1) At 120 hours rust was not formed on the sample.



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SiTarc®

POWDER COATING

1.0 DETAILS OF THE SAMPLE:

S.NO	Description	Observed
1.1	Reference to this standard	SLPME0020
1.2	Name of the test item	MMS53-1 Touch Lock
1.3	Identification details	-
1.4	Heat no	-
1.5	item code	-
1.6	Batch No	-
1.7	Size	-
1.8	Material	-
1.9	Grade of the Sample	-
1.10	Ambient Temperature	30.8 °C

Description of the sample and specified requirements are received in data sheet enclosed with Customer's Letter

4.0 TEST RESULT

Test Started on: 05.10.2024

Test Completed on: 05.10.2024

S.NO	Test/Clause Ref/Test Method	Uom	Specified			Standard			Observed Values/ Result	Verdict
	Parameter		Nom	Min	Max	Nom	Min	Max		
4.1	Coating Thickness 1 of SLPME0020	UM	-	-	-	-	-	-	40.8	-



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