



THE INDUSTRIAL DEVELOPMENT & TESTING LABORATORY

MAKARDAH ROAD, SHANPUR, DASNAGAR, HOWRAH - 711 105

NABL ACCREDITED

Tel.: 2667-1938 / 9836706349 / 9163580768 / 7686821709 / 9831105387

E-mail : ghose.anik@gmail.com / theidtl.laboratory@gmail.com

UAN : WB08D0001834



TC-5240

TEST REPORT

DOC. : TIDTL / QM / 01

ULR-TC524025I00025570F		Page No. 1 of 1.
Test Report No. TIDTL/CMC/04-Nov.25/70/25-26		Date : 07.11.2025.
Customer's Name & Address :- M/s. BENGAL SHEET METAL WORKS. 26 Pollock Street, Kolkata-700001 Contact Person : Mr. Rajesh Kumar. (Mob. No. : 9831052786)		Sample Received on : 04.11.2025. Test Completed on : 07.11.2025.
Customer's Ref. : Letter Dated : 04.11.2025.		
Type of Test : 01 Packet Boring for Chemical Test. Boring taken from 0.50 mm thick Sheet.		
Description of Sample : Razor Wire Barb Tape Concertina Coil 600 mm diameter-850 mm diameter.		
Material Base : Stainless Steel.		
This is to certify that above sample(s) has/have been tested with the following results :		

OBSERVED

LOCATION-2

Required values of ASTM A 240-2018 UNS Designation-S30400 Type-304

CHEMICAL							Temp.: 22.3°C		Humidity : 52%		
Elements	C %	Mn %	Si %	S %	P %	Cr %	Ni %	Mo %	Cu %	N %	Ti %
Sample -	0.04	1.03	0.41	0.012	0.019	17.68	8.14	----	----	----	----
Required	Min.	----	----	----	----	17.50	8.00	----	----	----	----
	Max.	0.07	2.00	0.75	0.030	0.045	19.50	10.50	----	----	----

The above results confirm to ASTM A 240-2018 UNS Designation-S30400 Type-304 with respect to above tested elements.

Test Method - IS : 228 (Relevant Parts) 1987, 1989 (RA-2018 & 2019) for Chemical Test.

.... End of Report

Reviewed By



Authorised Signatory

Mr. P. K. De

Quality Manager



ORIGINAL

- Note : 1) Sample not drawn by us.
2) Result Pertains to sample as received / tested.
3) The test result relates only to sample tested.
4) Test sample will be retained for 90 days from date of test.
5) Test are performed According to National / International Specifications.
6) Test report can be Amended or reproduced only after approval of Director.



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TEST REPORT

DOC. : TIDTL / QM / 01

ULR-TC524025I00025571F		Page No. 1 of 1.
Test Report No. TIDTL/MSM/04-Nov.25/71/25-26		Date : 07.11.2025.
Customer's Name & Address :- M/s. BENGAL SHEET METAL WORKS. 26 Pollock Street, Kolkata-700001 Contact Person : Mr. Rajesh Kumar. (Mob. No. : 9831052786)		Sample Received on : 04.11.2025. Test Completed on : 07.11.2025.
Customer's Ref. : Letter Dated : 04.11.2025.		
Type of Test : 01 No. Sample for Chemical & Mechanical Test. Sample taken from Ø 2.5 mm wire.		
Description of Sample : Razor Wire Barb Tape Concertina Coil 600 mm diameter-850 mm diameter.		
Material Base : Stainless Steel.		
This is to certify that above sample(s) has/have been tested with the following results :		

OBSERVED

LOCATION-1

Required values of IS 4454 (Part 4):2001 (Second Revision) Amdt 1-2002, (RA-2022) Grade-2
Designation-X04Cr19Ni9

CHEMICAL							Temp.: 24.5°C		Humidity : 50%		
Elements	C %	Mn %	Si %	S %	P %	Cr %	Ni %	Mo %	Cu %	N %	Ti %
Sample -	0.05	1.06	0.41	0.012	0.018	17.84	8.51	----	----	----	----
Required	Min.	----	----	----	----	17.00	8.00	----	----	----	----
	Max.	0.08	2.00	1.00	0.030	0.045	20.00	10.00	----	----	----

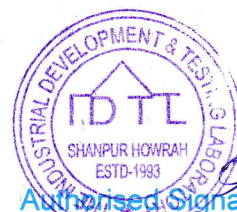
MECHANICAL				Temp.: 28.1°C		Humidity : 48%	
Parameters		Condition	Y.S. (MPa)	T.S. (MPa)	% Elg.	R.A.(%)	HARDNESS
Sample		----	----	1752	----	42.30	----
Required	Min.		----	1700	----	40.00	----
	Max.		----	----	----	----	----

The above results confirm to IS 4454 (Part 4):2001 (Second Revision) Amdt 1-2002, (RA-2022) Grade-2
Designation-X04Cr19Ni9

Test Method - IS : 1608 (Part-1) 2022 for Mechanical Test & IS : 9879-1998 (RA-2021) for Chemical Test.

.... End of Report

Reviewed By



Authorised Signatory

Mr. P. K. De

Quality Manager



ORIGINAL

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TC-5240

TEST REPORT

DOC. : TIDTL / QM / 01

ULR-TC524025I00025572F		Page No. 1 of 1.
Test Report No. TIDTL/MSM/04-Nov.25/72/25-26		Date : 07.11.2025.
Customer's Name & Address :- M/s. BENGAL SHEET METAL WORKS. 26 Pollock Street, Kolkata-700001 Contact Person : Mr. Rajesh Kumar. (Mob. No. : 9831052786)		Sample Received on : 04.11.2025. Test Completed on : 07.11.2025.
Customer's Ref. :	Letter Dated : 04.11.2025.	
Type of Test :	01 No. Test Piece for Mechanical Test.	
Description of Sample :	Razor Wire Barb Tape Concertina Coil 600 mm diameter-850 mm diameter. Item : Clip. Test Piece Size : 1.5 mm thickX10 mm widthX250 mm. long.	
Material Base :	Stainless Steel.	
This is to certify that above sample(s) has/have been tested with the following results :		

OBSERVED

LOCATION-1

Required values of ASTM A 240-2018 UNS Designation-S30400 Type-304

MECHANICAL				Temp.: 28.1°C		Humidity : 48%
Parameters	Condition	Y.S. (MPa)	T.S. (MPa)	% Elg. in 50 mm	R.A.(%)	HARDNESS (HRB)
Sample	----	346	564	44.60	----	78, 77, 77
Required Min.		205	515	40.00	----	----
Max.		----	----	----	----	92

The above results confirm to ASTM A 240-2018 UNS Designation-S30400 Type-304

Test Method - IS : 1608 (Part-1) 2022 for Mechanical Test, IS : 1586 (Part-1) 2018 for Rockwell Hardness Test.

.... End of Report

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Authorised Signatory

Mr. P. K. De
Quality Manager



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ULR-TC524025I00025573F		Page No. 1 of 1.
Test Report No. TIDTL/CMC/04-Nov.25/73/25-26		Date : 07.11.2025.
Customer's Name & Address :- M/s. BENGAL SHEET METAL WORKS. 26 Pollock Street, Kolkata-700001 Contact Person : Mr. Rajesh Kumar. (Mob. No. : 9831052786)		Sample Received on : 04.11.2025. Test Completed on : 07.11.2025.
Customer's Ref. :	Letter Dated : 04.11.2025.	
Type of Test :	01 Packet Boring for Chemical Test.	
Description of Sample :	Boring taken from 10 mm widthX1.5 mm thickX250 mm long test piece. Razor Wire Barb Tape Concertina Coil 600 mm diameter-850 mm diameter. Item : Clip.	
Material Base :	Stainless Steel.	
This is to certify that above sample(s) has/have been tested with the following results :		

OBSERVED

LOCATION-2

Required values of ASTM A 240-2018 UNS Designation-S30400 Type-304

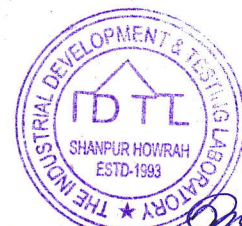
CHEMICAL							Temp.: 22.3°C		Humidity : 52%		
Elements	C %	Mn %	Si %	S %	P %	Cr %	Ni %	Mo %	Cu %	N %	Ti %
Sample -	0.04	1.06	0.44	0.014	0.019	17.82	8.18	----	----	----	----
Required	Min.	----	----	----	----	17.50	8.00	----	----	----	----
	Max.	0.07	2.00	0.75	0.030	0.045	19.50	10.50	----	----	----

The above results confirm to ASTM A 240-2018 UNS Designation-S30400 Type-304 with respect to above tested elements.

Test Method - IS : 228 (Relevant Parts) 1987,1989 (RA-2018 & 2019) for Chemical Test.

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