

NABL Accredited Laboratory



Cert. TC-7367

Test Charges & Machining Charges



Advance Metal Testing Laboratory

Chemical , Mechanical & Metallurgical Testing of Metal

Chandan Complex 490/A-1,

Shop No. 12,13,Opp. Himalaya Machinery,
G.I.D.C. Estate,Makarpura, Vadodara - 390010.

Gujarat, India.

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Year 2020-2021

NABL Accredited Testing Laboratory in Chemical and Mechanical Field

About Us

Our Laboratory is established in Sep-2005 & since May-2007 Our laboratory has “**NABL Accreditation in Chemical & Mechanical Field.**”

Within Span of 14 years we have served more than 3000 customers within Gujarat & Others State of India as acceptance of our competency & reliability.

Our Laboratory has Third Reaccredited by NABL within Span of 5 ½ Year (National Accreditation Board for testing & Calibration Laboratory, Department of Science & Technology, Government of India) as per ISO / IEC 17025:2005 in Chemical & Mechanical Field.

Services :-

Chemical Spectro Analysis:



We have German Make **SPECTRO METER** which has different range to analyzed elements from

- **FERROUS BASE**
- **NON FERROUS BASE** Like Aluminum , Copper , Nickel &
- **Nitrogen**

Physical / Mechanical Testing:

- Tensile Test / Compression Test
- TMT Bar Testing
- Mockup / Pullout / Load Test
- Nick Brake Test / Fracture Test
- Impact test up - 196°C (-80°C with NABL)
- Hardness Test
- Bend Test / Flattening / Flaring Test
- Permanent Set Test
- Permanent Load Test
- Twist Test of Washer
- Proof Load / Wedge Load test



Metallurgical and Corrosion Testing:



- Microstructure / Grain Size
- Inclusion Rating
- IGC Test - All Practice
- Salt Spray Test
- Mass of Zinc Coating
- Macro Test of Butt Weld / Fillet Weld

NDT / PMI and Site Services:

- PMI Testing
- Ultrasonic Test
- Magnetic Particle Test
- Liquid Penetrant Test
- Ultrasonic Thickness check
- Portable Hardness Test



Testing Charges :-					
Type of Testing	Description	Test Charges in Rs.			
Spectro Chemical Analysis	Elements per Sample (Including Nitrogen)	Ferrous Base	Aluminum Base	Nickel Base	Copper Base
	More Than 4 Elements (Per Element)	45	60	80	80
	2 to 4 Elements (Per Element)	50	75	95	95
	Only One (1) Element	90	150	180	180
	Only Nitrogen OR Boron	200			
	Nitrogen or Boron with other 5 minimum elements	100			
	Purity of Metal	--	650	650	650
	Identification of Material	650	900	900	900
	PMI Testing by XRF Method at our Lab (Per Sample)	175	--	--	--
Chemical Analysis By Wet Method	Elements to be Tested per Sample	Only one Element			
	Ferrous Base Metal	100			
	Non Ferrous Base Metal	110			
	Purity of Cu , Ni , Zn , Al Base Metal of Each Sample	900			
Physical / Mechanical Testing	Tensile Test / Compression Test up to 40 T / 60T	90			
	Tensile Test Welded Sample or WQT	175			
	Tensile Test with Electronic Extensometer 0.2 , 0.5 & 1.0 %	130			
	Tensile Test for steel Bar Up to 20 mm Dia.	175			
	Tensile Test for steel Bar Above 20 mm Dia.	400			
	Tensile / Compressive / Crushing / Flexural Test of FRP	180			
	Bend Test, Root Bend, Face Bend, Side Bend up to 20 mm Thk.	90			
	Bend Test, Root Bend, Face Bend, Side Bend Above 20 mm Thk.	130			
	Re Bend Testing with Ageing Up to 20 mm Dia.	200			
	Re Bend Testing with Ageing Above 20 mm Dia.	250			
	Flattening / Flaring Test	100			
	Bend Test of Tube & Pipe	700			
	Fracture Test Up to 10 mm Thick.	120			
	Fracture Test Above 11 to 20 mm Thick.	150			
	Unit Weight Measurement Test	90			
	Dimension Measurement (Up to Five Dimensions)	200			
	Proof Load Test on Nut	110			
	Proof Load of Bolt	375			
	Full Size Breaking of Bolt	150			
	Wedge Load Test for Bolt	200			
	Shear Test of Bolt	350			
	Permanent Set Test (Per Washer)	100			
	Permanent Load Test (Per Washer)	100			

	Twist Test of Washer	100
	Nick Break Test	150
	Load Test	On request
	Glass Content Test	400
	Shear Test of FRP	130
	Cantilever Test	On request
	Compression Test of Spring	450
	Bulk Density of Refractory	300
	Cold Crushing Strength of Refractory	500
	Permanent Linear Test of Refractory	500
	Pull Out test	250
	Tear Test , Peel Test	100
	Tear Test , Peel Test Of Tube	400
	Hardness Test Rockwell A , B , C (Three Indentation)	75
	Vickers Hardness Test (Per Indentation)	50
	Brinell Hardness Test (2.5 mm Dia. / 5 mm Dia. Ball Indentor)	75
	Mock Up Pullout Test	200
IMPACT Test By ISO/ASTM Machine	Impact Test Charpy at Room Temperature (Per One Sample)	120
	Impact Test Charpy 0° C to - 60° C (MINUS) Temperature	150
	Impact Test Charpy Bellow - 61° C to -196° C (MINUS) Temp. (Per One Sample)	200
Metallography	Microstructure Examination without Photograph (Per Location)	250
	Microstructure Examination with Photograph (Per Location)	400
	Microstructure Examination & Grain Size without Photograph (Per Location)	250
	Microstructure Examination & Grain Size with Photograph (Per Location)	400
	Microstructure Examination of Welded Sample	300
	Macro Test of Butt Weld Sample / Fillet Weld Sample	200
	Macro Test of Weld Sample With Machining Up to 20 mm Thickness	200
	Macro Test of Weld Sample With Machining above 20mm Thickness	275
	Macro Test of Welded Pipe Up to 50 mm	200
	Macro Test of Welded Pipe Above 51 to 100 mm	300
	Leak Path Test Per Location	200
	Macro Test of Tube To Tube Sheet Mockup Joint	300
	Macro Examination as per ASTM E 381	250
	Macro Examination with Weld width measurement for fillet	400
	Macro Examination with Weld width & Stud Penetration	450
	Inclusion Rating [Method A]	500
	Grain Size Determination (As Per Receive Condition)	300
	Case Depth / Decarburizing Depth	300
	Mounting Charges Up to 1 inch Dia. Of Mould	150
	Nondestructive Microstructure [Replica At Our Lab]	1000
	Quantative Metallography [By Image Analyzer] [Avg. 5 Fields]	800
	Coating Thickness Measurement by Microscopic Method	600
	Austenitic Grain Size Determination as per E 112	2700
	Ring Test Of TMT Bar with Photograph	400

	Mesh Size Measurement	400
	% Ferrite by Ferritoscope Method [Per Location]	200
	Volume Fraction Ferrite by Metallography Method E 562 [Avg. of 10 Fields]	2700
	Test as per G 28 Method A	2000
	Carbon Test	550
Corrosion Test As Per ASTM - A 262	Practice 'A'	400
	Practice 'B'	2000
	Practice 'C'	3500
	Practice 'E' (up to 15 mm)	750
	Practice 'E' (Over 16 mm to 25 mm)	800
	Practice 'E' (Over 25 mm)	850
	Pitting Test G48 Method A	4000
	Sensitization Charges per Sample	150
	Machining Charges over 10 mm Thickness / Diameter of specimen	ANNEXURE - 1
Miscellaneous Test	Mass of Zink Coating (By Stripping Method)	300
	Mass of Zink Coating (By Coating Thickness Gauge)	150
	Adhesion / Hammer test /Uniformity Test	150
	Salt Spray test (24 hour)	1000
	Uniformity of Coating	200
Site Services	PMI	On Request
	Ultrasonic Test	
	Magnetic Particle Test	
	Dye Penetrant Test	
	Ultrasonic Thickness measurement	
	Radiographic Test	
	Portable Hardness Test	
	Portable Hardness Test	
	Coating Thickness Measurement	
	Third Party Inspection	
Welding	Welding Procedure Qualification, Welder performance Qualification, Welding Consumable Qualification as per National and International Standards	On Request

Our Machining Charges for Various Sample preparations for Mechanical Testing Are as Bellow per Test Specimen in INR

Machining Charges for Tensile / Nick Break / IGC Test Specimen Thickness / Diameter		CS / MS	S.S.	Ni / DS
1	Up to 20 mm	110	120	200
2	Over 21 mm to 40 mm	140	230	400
3	Over 41 mm to 60 mm	280	330	650
4	Over 61 mm to 100 mm	400	550	900
5	Over 101 mm to 150 mm	450	--	--
6	Over 151 mm to 200 mm	600	--	--
7	Threading Charges for Small Sample	120		
Above Charges are applicable for Sample width Up to 40 mm & 35 mm for CS & SS Respectively & above these Cutting Charges are applicable				
Machining Charges for Bend/Side Bend /Root Bend /Face Bend Test Specimen		CS / MS	S.S.	Ni / DS
1	Up to 20 mm	70	120	200
2	Over 21 mm to 40 mm	90	230	350
3	Over 41 mm to 60 mm	140	330	600
4	Over 61 mm to 100 mm	250	500	800
Machining Charges for Tensile / Bend / Nick Break / IGC Test for Welding Test Coupon		CS / MS	S.S.	Ni / DS
1	Tensile / Bend / Nick Break Test Piece for Welder Qualification Up to 20 mm Thk.	150	300	500
2	Tensile / Bend / Nick Break Test Piece for Welder Qualification Up to 21 To 40 mm Thk			
3	Tensile / Bend / Nick Break Test Piece for Welder Qualification Up to 41 mm To 60 mm Thk.			
Machining Charges for Impact with Grinding Per Each Sample		CS / MS	S.S.	Ni / DS
1	Up to 20 mm Thickness	140	180	350
2	21 mm to 40 mm Thickness	190	200	500
3	41 mm to 60 mm Thickness	210	350	600
4	Above 60 mm Thickness	250	450	750
Machining Charges for Impact Test for Welder Qualification Test [Per Piece]		CS / MS	S.S.	Ni / DS
1	Impact Test Piece for Welder Qualification Up to 20 mm With Grinding & as Per Marking (for Weld Zone & HAZ)	150	200	350
2	Impact Test Piece for Welder Qualification Above 21 mm to 40 mm With Grinding & as Per Marking (for Weld Zone & HAZ)	200	220	500
3	Impact Test Piece for Welder Qualification Above 41 mm to 60 mm With Grinding & as Per Marking S.S.	325	450	--
Machining Charges for Flattening / Flaring		Charges in Rs.		
1	Up to 50 mm OD	50		
2	51 mm to 100 mm OD	90		
3	101 mm to 150 mm OD	140		
4	151 mm to 250 mm OD	225		
5	251 mm to 400 mm OD	300		
6	Plug Charges for Pipe (Per Plug)	60		

Our Cutting Charges for Various Sample preparations for Mechanical Testing Are as Bellow per Test Specimen Rs.

Cutting Charges for Hacksaw Cut (HC) Per Cut		CS / MS	S.S.	Ni / DS
1	Up to 10 mm Thickness	30	50	150
2	Over 11 mm to 20 mm Thickness	60	80	200
3	Over 21 mm to 40 mm Thickness	120	200	350
4	Over 41 mm to 60 mm Thickness	200	250	600
5	Over 61 mm to 100 mm Thickness	400	450	750
Cutting Charges for Butt Weld Sample (HC) Per Cut		CS / MS	S.S.	Ni / DS
1	Up to 10 mm Thickness	50	150	200
2	Over 11 mm to 20 mm Thickness	100	300	350
3	Over 21 mm to 40 mm Thickness	150	450	500
4	Over 41 mm to 60 mm Thickness	180	--	--
5	Over 61 mm to 100 mm Thickness	200	--	--
Cutting Charges for Fillet Weld Sample (HC) Per Cut		CS / MS	S.S.	Ni / DS
1	Up to 10 mm Thickness	50	150	200
2	Over 11 mm to 20 mm Thickness	100	300	350
3	Over 21 mm to 40 mm Thickness	150	450	500
4	Over 41 mm to 60 mm Thickness	180	--	--
5	Over 61 mm to 100 mm Thickness	200	--	--
Cutting Charges Gas Cut (GC) Per Cut		Charges in Rs.		
1	Up to 60 mm Thickness	100		
2	Over 61 mm to 80 mm Thickness	250		
3	Over 81 mm to 100 mm Thickness	300		
4	Over 101 mm to 300 mm Thickness	500		
Forging Charges		Charges in Rs.		
1	Forging Charges for Small Sample for Spectro	30/-		

1) Above Charges are for width 50 mm for CS and 35 mm for S.S. & Cutting will be applicable, if is more than specified

2) Any Charges Which are not indicated herewith will be provided on Request.

Terms & Condition

- GST 18% extra as applicable on given rates.
- Our Charges are Payable by DD Only
- 100% advance payment against Test Reports / Performa Invoice.
- Courier, Fax and Forwarding Charges will be borne by you i.e. Customer.
- Lodging, Boarding & Transportation Charges for Site Visit will be borne by you.
- For Second copy / any Correction will be charges Rs. 50/- per Copy
- Any Charges which are not indicated herewith will be provided on request.
- 10% Extra for NABL Certificate.
- For Urgent Testing Charges must be double than the Original.

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Testing Time Schedule / Duration of Various Testing's

SPECTRO CHEMICAL ANALYSIS		Duration
1	SPECTRO CHEMICAL ANALYSIS	Same Day or 24 Hours
PHYSICAL ANALYSIS		Duration
1	Tensile Test	2 to 3 Days
2	Impact Test	2 to 3 Days
3	Bend Test	1 to 2 Days
4	Compression Test	1 to 2 Days
5	Flattening Test	1 to 2 Days
6	Welding Procedure Qualification Test	3 to 4 Days
7	Proof Load Test	2 Days
8	Hardness Test	Same Day or 24 Hours
9	Metallurgical Testing	2 to 3 Days
10	Zinc Coating / Corrosion Test	As per Testing Requirements

Banking Details

GSTIN No. : 24AALFA5304N2ZE,

Udyog Aadhar No.: GJ24E0039349

PAN No. : AALFA 5304 N

HDFC Bank Account Number For RTGS / NEFT: 50200005397589

HDFC Bank IFSC Code : HDFC0000275

HDFC Bank MICR Code : 390240004

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