



**Renaissance Biochemicals Pvt. Ltd.**  
Steel Division

"Stainless Steel &  
Alloys Steel"



**NSIC**

**MSME**

  
**CRISIL**

**Renaissance** is a self-motivated group, which was established in 1982 to cater to growing demands of stainless steel end user in India as well as all around the world. We have a team of young visionaries entrepreneur who effort are to attain excellence in every aspect related to a company products. As an importer and stock holder of stainless steel with wide range of stocks in various warehouse around India different location Renaissance group become one of the most dependable single source for quality stainless steel raw material within a short lead time. Renaissance steel is registered with the best of semi-government, private & multinational companies. Our main motive is to provide our client with everything in stainless steel under one roof.

**Renaissance** has lots of tie up with best manufactures of steel in order to supply high quality certified material / products to our customers at cost effective rates. We can deliver material against CT3/ARE4/H forms for exports purpose. As registered dealers and agent, we can provide Excise Modvat invoices so that you can gain excise benefits. We can help you import any material/product strictly as per client adhering standard & quality constraints. We can arrange for various third party approved lab test like chemical, physical, mechanical, ultrasonic, micro, IGC and any other related from govt. approved Laboratories. We can even arrange for any third party inspection of our material/product as per client requirement.

We would appreciate if **Renaissance** Group is registered on your record as one of your valued / vendor in your company.

### STAINLESS STEEL GRADES WE OFFER

| Grade AISI | C Max   | Mn Max | P Max | S Max | Si Max | Cr        | Ni        | Mo       | Other Element | I.S            | En      |
|------------|---------|--------|-------|-------|--------|-----------|-----------|----------|---------------|----------------|---------|
| 304        | 0.08    | 2.0    | 0.045 | 0.030 | 1.0    | 18.0/20.0 | 8.0/10.0  | -        | -             | 04Cr18Ni10     | En-58E  |
| 304L       | 0.030   | 2.0    | 0.045 | 0.030 | 1.0    | 18.0/20.0 | 8.0/10.0  | -        | -             | 02Cr18Ni11     | -       |
| 310        | 0.25    | 2.0    | 0.045 | 0.030 | 1.50   | 24.0/26.0 | 19.0/22.0 | -        | -             | 10Cr25Ni12     | -       |
| 316        | 0.08    | 2.0    | 0.045 | 0.030 | 1.0    | 16.0/18.0 | 10.0/14.0 | 2.0/3.0  | -             | 04Cr17Ni12Mo2  | En 58H  |
| 316L       | 0.030   | 2.0    | 0.045 | 0.030 | 1.0    | 16.0/18.0 | 10.0/14.0 | 2.0/3.0  | -             | 03Cr17Ni12Mo2  | -       |
| 317L       | 0.030   | 2.0    | 0.045 | 0.030 | 1.0    | 18.0/20.0 | 11.0/15.0 | 3.0/4.0  | -             | Tiy5 c Min     | -       |
| 321        | 0.08    | 2.0    | 0.045 | 0.030 | 1.0    | 17.0/19.0 | 9.0/12.0  | -        | Ti5xCmin      | 04Cr18Ni10Ti20 | En-58   |
| 410        | 0.15    | 1.0    | 0.040 | 0.030 | 1.0    | 11.5/13.5 | 0.60      | -        | -             | 12Cr13         | En-58A  |
| 420        | over.15 | 1.0    | 0.040 | 0.030 | 1.0    | 12.0/14.0 | 0.60      | -        | -             | 22Cr13         | En56C&D |
| 440C       | 0.95    | 1.0    | 0.040 | 0.030 | 1.0    | 16/18     | -         | 0.75max  | -             | -              | -       |
| 904L       | 0.02    | 2.0    | 0.045 | 0.035 | 1      | 19.0/23.0 | 23.0/28.0 | CU : 1-2 | -             | -              | -       |

Final Common

### CHEMICAL COPOSITION - PER CENT

| UNS NO | AISI | DIN    | C       | Mn      | P        | S        | Si      | Cr        | Ni      | Mo      | N         | OTHER |
|--------|------|--------|---------|---------|----------|----------|---------|-----------|---------|---------|-----------|-------|
| S31803 | -    | 1.4462 | 0.03max | 2.0max  | 0.030max | 0.020max | 1.00max | 21.0/23.0 | 4.5/6.5 | 2.5-3.5 | 0.08-0.20 | -     |
| S32205 | -    | -      | 0.03max | 4.0-6.0 | 0.040max | 0.030max | 1.00max | 22.0/23.0 | 4.5/6.5 | 3.0-3.5 | 0.14-0.20 | -     |

| COMMON GRADE | UNS            | C       | Mn      | P       | S        | Si      | Cr          | Ni        | Mo      | N       | OTHER   |
|--------------|----------------|---------|---------|---------|----------|---------|-------------|-----------|---------|---------|---|
| 17-4PH       | S 17400        | 0.07max | 1.0max  | 0.04max | 0.03max  | 1.0max  | 15.00-17.5  | 3.0-5.0   | -       | 3.0-5.0 | NB+Ta-0.15-0.45                               |
| 15.5PH       | XM-12 S 15500  | 0.07max | 1.00max | 0.40max | 0.030max | 1.00max | 14.00-15.50 | 3.50-5.50 | -       | -       | Cb+Ta0.15-0.45-Cu2.5-4.5                      |
| A 286        | 1.4980 S 66286 | 0.08max | 2.0max  | -       | -        | 1.0max  | 13.5-16.00  | 24.0-27.0 | 1.0-1.5 | -       | Ti-1.92.3/Al-0.35MAX, V-0.1-0.5,B-0.003-0.010 |

| EXOTIC   | UNS NO | W.NR | C(Max) | Mn(Max) | S(Max) | Si(Max) | Cr        | Ni        | Mo      | Cu      | Fe  | Ti | Al | Other                     |
|----------|--------|------|--------|---------|--------|---------|-----------|-----------|---------|---------|-----|----|----|---------------------------|
| Alloy-20 | NO8020 | -    | 0.070  | 2.000   | 0.035  | 1.000   | 19.0-21.0 | 32.0-38.0 | 2.0-3.0 | 3.0-4.0 | Bal | -  | -  | P-0.045max.NB+Ti-8x C-1.0 |

### NICKEL ALLOYS GRADES WE OFFER

| Designation Commercial | C %  | Co % | Cr %      | Mo %      | Ni %     | V %  | W %     | Ai % | Cu % | Nb/Cb % | Ti % | Fe %    | Son Stige Autres - Other |
|------------------------|------|------|-----------|-----------|----------|------|---------|------|------|---------|------|---------|--------------------------|
| Monel 400              | 0.12 | -    | -         | -         | 65.0     | -    | -       | -    | 32.0 | -       | -    | 1.5     | MN 1.0                   |
| Monel K-500            | 0.13 | -    | -         | -         | 64.0     | -    | -       | 2.8  | 30.0 | -       | 0.6  | 1.0     | Mn 0.8                   |
| Hastelloy C 276        | 0.02 | 2.5  | 14.0-16.5 | 15.0-17.0 | Rest/Bal | 0.35 | 3.0-4.5 | -    | -    | -       | -    | 4.0-7.0 | Mn 1.0, Si 0.05          |
| Incoloy 800            | 0.04 | -    | 21.0      | -         | 32.0     | -    | -       | 0.3  | -    | -       | 0.4  | 45.0    | -                        |
| Incoloy 825            | 0.04 | -    | 21.0      | 3.0       | 42.0     | -    | -       | -    | 2.0  | -       | 1.0  | 30.0    | -                        |
| Inconel 600            | 0.05 | -    | 15.5      | -         | 75.0     | -    | -       | -    | -    | -       | -    | 8.0     | -                        |
| Inconel 601            | 0.05 | -    | 23.0      | -         | 60.0     | -    | -       | 1.4  | -    | -       | -    | 14.0    | -                        |
| Inconel 625            | 0.05 | -    | 21.5      | 9.0       | 61.0     | -    | -       | 0.40 | -    | Nb 3.65 | 0.40 | 2.5     | Min 0.50-Si 0.50         |

| NICKEL | C %  | Mn % Max | Si % Max | P Max | S % Max | Cr % | Ni %      | Mo % | Fe %    | Cu %    |
|--------|------|----------|----------|-------|---------|------|-----------|------|---------|---------|
| 200    | 0.15 | 0.35     | 0.35     | -     | 0.010   | -    | 98.4/99.6 | -    | 0.40Max | 0.28Max |
| 201    | 0.01 | 0.35     | 0.35     | -     | 0.010   | -    | 98.4/99.6 | -    | 0.40Max | 0.25Max |

## MATERIAL THAT WE MANUFACTURE IN HOUSE

### Flanges :

**Types :** Weldneck, Slipon, Blind, Socket Weld, Lap Joint, Spectacles, Ring Joint, Oriface, Long Weldneck, Deck Flange, etc.

**Size :** 1/2" NB TO 24" NB.

**Class :** 150#, 300#, 400#, 600#, 900#, 1500# & 2500#.

### Butt Weld Fittings :

**Types :** Elbow, Tee, Reducer, Return Bends, Stub-Ends, Cap, Collar, Cross, Insert etc.

**Size :** 1/4" NB TO 32" NB. (Seamless & Welded)

**Wall Thickness :** Sch. 5S To Sch. XXS.

### Fasteners :

**Types :** Bolts, Nuts, Washers, Anchor Fasteners, Stud Bolts, Eye Bolt, Stud, Threaded Rod, Cotter Pin, Socket Head Screw, , Fine Fasteners & Spares, Foundation, Fasteners, etc.

## Product Range :



## IMPORTED MATERIAL THAT WE STOCK

### Sheets / Plates / Coils :

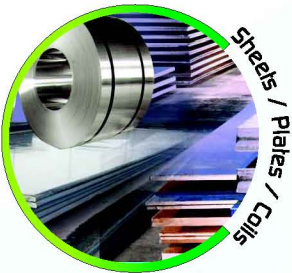
**Types :** Cold Rolled Sheets & Hot Rolled Sheets.

**Sheets Surface Finish :** 2b Finish Coil, BA Sheet, Matt Finish Sheets, HR-No.1 Finish Coil and Others S S Sheets Sizes

Standards Width of sheets is between 1250mm to 2000mm

Standards Length of these sheets is between : 2500mm to 6000mm and up

Thickness of these sheets is between 0.5mm up till 250mm



### Pipes & Tubes :

**Pipe Size :** 1/4" NB TO 32" NB.

**Wall Thickness for seamless Pipes :** Sch. 5S to Sch. XXS.

**Tubes Size :** 1" OD To 50" OD.

**Wall Thickness for Tube :** 0.5mm to 25mm

**Type :** Welded and Seamless

**Shapes :** Round, Square, Rectangular.



### Round Bars / Wire Rods :

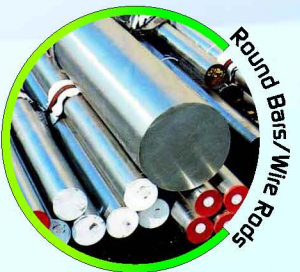
**Round Bars Finishing :** Bright Bars, Polished Bars, Black Round Bars.

**Round Bars In Form of :** Round Bars, Square Bars, Hex Bars, Rectangle Bars, Wire (coil Form) Bars,

**Hardness For Wire :** Soft Wire. Hard Wire, Half Hard Wire.

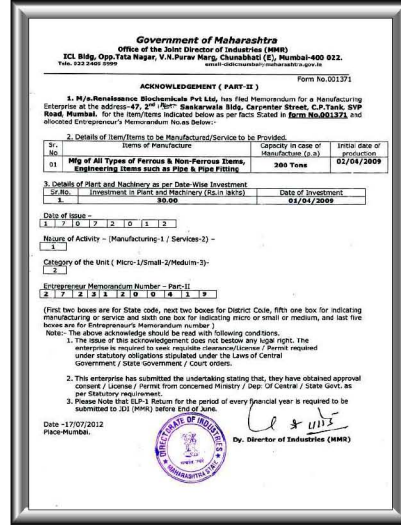
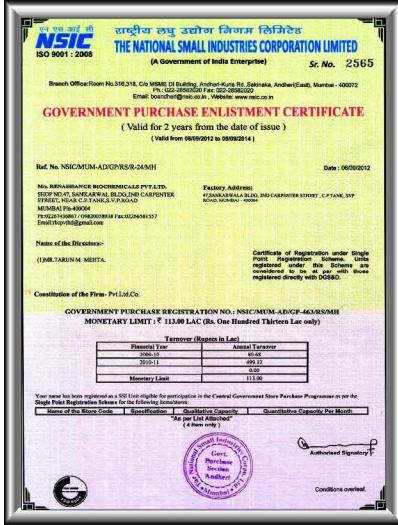
**Value Added Service :** Machning (CNC), Centreless Grinding (CG), Heat Treatment, Annealed, Pickled, Polish, Rolling, Forging, Cutting, Bending, Minor Fabrication.

**Bars Size :** 0.25mm To 400mm Diameter.



## OTHER IMPORTED BRANDS

# We Are Certified By



## Renaissance Biochemicals Pvt. Ltd. Steel Division

### Stockists & Suppliers of :

S. S., C. S., M. S., Sheets, Plates, Coils, Pipes, Pipe Fittings, Bright Bars & Fastners.

Shop No. 47, 2nd Carpenter Street, Near C. P. Tank, Mumbai - 400 004. INDIA

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## Third Party Inspection

Renaissance Biochemical Pvt. Ltd. can offer you material with inspection of any third party. Third party Inspection offers quality and thorough Inspection for buyers. The Inspection Agency can be nominated by client or we can arrange the third party inspection by various world class reputed agency like below....

