

RTC
LABORATORY

 भारतीय
handicrafts
हस्तशिल्प
continuing tradition



TC-6683

RESEARCH TESTING & CALIBRATION LABORATORY

(NABL Accredited Laboratory As Per ISO/IEC:17025 : 2017, Cert. No. TC-6683)

A DIVISION OF METAL HANDICRAFTS SERVICE CENTRE

[Under Control of Development Commissioner (Handicrafts), Ministry of Textiles, Govt. of India]

PEETAL NAGRI, RAMPUR ROAD, MORADABAD- 244001

Website : www.handicrafts.nic.in/mhsc/mhsc.htm



Testing Facilities Available



- 1- Ferro Alloys Test (Vanadium, Tungsten, Molybdenum, Titanium, Chromium, Nickel, Manganese, Carbon & Sulphur).
- 2- High Speed Steel, Tool Steel, Stainless Steel. Low Alloys Steel, Plane Carbon Steel.
- 3- Copper Alloys - Brass, Aluminium Alloys, Zinc Alloys, Nickel Alloys, Lead Alloys, Silver White Metal, Gun Metal & Brazing Material.
- 4- Metallic Coating Thickness - Silver, Copper, Nickel, Gold, Chromium, Tin, Zinc etc.
- 5- Non-Metallic Coating - Paint, Phosphating, Powder & Lacquer Coating.
- 6- Electroplating Bath - ELECTROLYTE - (Plating ke tanki ka pani) :- Copper Bath, Nickel Bath, Silver Bath. Zinc Bath, Brass Bath etc.
- 7- Lacquer, Powder, Paint Quality Test :- Adhesion, Acid Resistance and Alkali Resistance, Resistance to Water / Warm Water, Salt Spray Test (Corrosion Test), Gloss & Humidity Test.
- 8- Lead & Cadmium Leaching Test according to FDA. California & European Directive etc on SILVER PLATED WARE, CERAMIC WARE, BRASS WARES etc.
- 9- ROHS Testing - Lead, Cadmium, Mercury, Hexavalent Chromium, PBB & PBDE.
- 10- Burn Test - Candle. 11- Tilt Test. 12- Drop Test.
- 13- Brusting Strenght Test. 14- GSM Test. 15- Colour Shade Matching Test
- 16- Gloss Test.
- 17- Lead in Surface Coating as per 16 CFR 1303.
- 18- Heavy Metals in Packaging. (Lead, Cadmium etc.)
- 19- Moisture in Wood Sample.
- 20- Inspection of Product according to the Quality Parameter.
- 21- Opinion in the field of Metal Finishing, any problem in Electroplating, Powder & Lacquer Coatings.
- 22- Gold Purity - Curette - Test
- 23- Water & Waste Testing (Industrial Water, ETP, Portable Water) :-
PHYSICAL :- Colour, Odour, Teste Temperature, pH, Turbidity, TDS, Suspended Solids, Oil & Grease, Total Residual Chloride etc.
CHEMICAL :- Alkalinity, Acidity, Total Hardness (Calcium, Magnesium), Cyanide, Permanent & Temporary Hardness, Dissolved Oxygen, Sodium, Potassium, Lead, Cadmium, Zinc, Iron, Copper, Nickel, Arsenic, Chromium, Cobalt, Calcium, Magnesium, Manganese etc
- 24- REACH (SHVC) DIRECTIVE
- 25- LFGB Test
- 26- SASO
- 27- Specific Migration of 23 Heavy Metals
- 28- Hardness Testing etc.



RTCL is practicing the **QUALITY SYSTEM as per ISO/IEC:17025 : 2017**)
In case you require any more information please feel free to contact us
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A Premier Institution For Metal Finishing, Training,
Testing, Inspection & Certification Of Indian Handicrafts Products