



METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER

SCHEDULE OF FEES AND CHARGES FOR TESTING, ANALYSIS AND CALIBRATION SERVICES

MIRDC

EFFECTIVE as of 02 JANUARY 2019

PHYSICO-CHEMICAL LABORATORY

TEST NAME	RATE (Pesos)
1. CARBON/SULFUR	
1.1 In Ferrous	650.00
1.2 In Non-Ferrous	650.00
1.3 In Powders	650.00
1.4 In Tinplates (Carbon)	650.00
2. ALUMINUM	
2.1 In Ferrous/Non-Ferrous	670.00
3. ANTIMONY	
3.1 In Non-Ferrous	670.00
3.2 In Babbit	680.00
4. BISMUTH	
4.1 In Non-Ferrous	670.00
5. CADMIUM	
5.1 In Non-Ferrous	670.00
5.2 In Ag Brazing Alloy	1160.00
6. CHROMIUM	
6.1 In Ferrous/Non-Ferrous	670.00
6.2 In Powders	1310.00
6.3 In Stainless Steel/Cast Iron/ Tool Steel	840.00
6.4 In Chrome Ores/FeCr	1630.00
7. COBALT	
7.1 In Ferrous/Non-Ferrous	670.00
7.2 In Powders	1310.00
8. COPPER	
8.1 In Ferrous/Non-Ferrous	670.00
8.2 In Powders	1310.00
8.3 In High-Purity Copper/ Cu-based/Cu-Ni/Ni-Cu alloy	1085.00
9. IRON	
9.1 In Non-Ferrous	670.00
9.2 In Powders	1310.00
9.3 In Fe Ore	1280.00
9.4 In Al-based Alloy	670.00
10. LEAD	
10.1 In Ferrous/Non-Ferrous	670.00
10.2 In Powders	1310.00
10.3 In Pb-based, Pb-Sn & Cu-based	1140.00
11. MAGNESIUM	
11.1 In Ferrous/Non-Ferrous	670.00
11.2 In Powders	1310.00
11.3 In Al-based Alloy	920.00
11.4 In limestone	1100.00
12. MANGANESE	
12.1 In Ferrous/Non-Ferrous	670.00
12.2 In Powders	1310.00
12.3 In FeMn/Mn Ores/Mn Steel	1620.00

TEST NAME	RATE (Pesos)
13. MOLYBDENUM	
13.1 In Steels	1530.00
13.2 In Cast Iron	1730.00
13.3 In FeMo	1180.00
14. NICKEL	
14.1 In Ferrous/Non-Ferrous	670.00
14.2 In Powders	1310.00
14.3 In Ni-based, Cu-Ni & Ni-Cu alloy & SS	1120.00
15. PHOSPHORUS	
15.1 In Ferrous	1160.00
15.2 In Powders	1310.00
15.3 In Cu-based Alloy	1100.00
16. SILICON	
16.1 In Ferrous/Non-Ferrous	1130.00
16.2 In Al-based Alloy (Grav/UV)	925.00
16.3 In Powders (Grav)	1320.00
16.4 In FeSi (vol)	900.00
17. SILVER	
17.1 In Non-Ferrous	670.00
17.2 In Powders	1310.00
17.3 In Ag-Brazing Alloy	1160.00
18. TIN	
18.1 In Ferrous/Non-Ferrous	670.00
18.2 In Powders	1310.00
18.3 In Solders, Pb-based & Cu-based alloys	725.00
19. TITANIUM	
19.1 In Al-based Alloy	730.00
20. VANADIUM	
20.1 In Non-Ferrous	670.00
21. ZINC	
21.1 In Non-Ferrous	670.00
21.2 In Brass/ Ag Brazing Alloy/ Zn dross	1300.00
21. Moisture	320.00
23. Proximate Analysis	770.00
24. OES Analysis	
24.1 Ferrous	3550.00
24.2 Non-Ferrous	3900.00

New Services Offered

- 24. Analysis of steel sheets, carbon steel, and
LPG steel cylinders**
- 24.1 Niobium per quotation basis

Approved by:


ROBERT O. DIZON
Executive Director



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CORROSION LABORATORY

TEST NAME	RATE (Pesos)
1. Bend Test	240.00
2. Tape Test	215.00
3. Impact Test	300.00
4. Pencil Hardness Test	250.00
5. Salt Spray Test	
6.1 Per 8 hrs/sample	1,180.00
6.2 Per 24 hrs/sample	2,410.00
6.3 Per 24 hrs (Sat/Sun/holiday)	3,060.00
6.4 Per additional sample	300.00
7. CASS Test	
7.1 Per 8 hrs.	1,215.00
7.2 Per 24 hrs.	2,600.00
7.3 Per 24 hrs (Sat/Sun/holiday)	3,030.00
7.4 Per additional sample	300.00
8. Thickness of Coating	
8.1 Stripping Method	
8.2.1 GI Sheet	450.00
8.2.2 Wires	420.00
8.2.3 Pre-painted Sheet	450.00
8.2 Micrometer Method	
8.3.1 GI Sheet	355.00
8.3.2 Pre-Coated Sheet	480.00
8.3 Electrolytic Method	
8.4.1 Single Layer	570.00
8.4.2 Per Additional Layer	300.00
9. Weight/Thickness of Zinc Coating (Stripping Method)	
9.1 Average of Single Spot	
9.1.1 GI Sheet	430.00
9.1.2 GI Wires	420.00
9.1.3 Pre-painted GI Sheet	540.00
9.1.4 GI Pipe	
<100 mm dia.	550.00
100-150 mm dia.	680.00
151-200 mm dia.	800.00
9.2 Triple Spot	
9.2.1 GI Sheet	520.00

TEST NAME	RATE (Pesos)
9.2.2 Prepainted Sheets	590.00
9.2 Triple Spot	
9.2.1 GI Sheet	520.00
9.2.2 Prepainted Sheets	590.00
10. Weight of Tin Coating	575.00
11. Weight of Wax Coating	290.00
12. pH	300.00
13. Specific Gravity	250.00
14. Sample Preparation (Stripping of Coating)	
15.1 GI Wires	100.00
15.2 GI Sheets/Pre-painted Sheets	120.00
15.3 Blackened Samples	120.00
15. Photo print	80.00

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MECHANICAL METALLURGY LABORATORY

TEST NAME	RATE (Pesos)	TEST NAME	RATE (Pesos)
1. Tension Test		10. Shear Test	
Using Shimadzu 2000kN Plate/Cylinder/Round Bars		Using Shimadzu 2000kN	375.00
For ($\leq 1000\text{mm}^2$)	205.00	Using Shimadzu 50kN	390.00
For 1000-1500 mm^2	335.00	11. Complete Physical Test for Wires	
For $\geq 1500\text{mm}^2$	670.00	Tension Using Shimadzu 50kN	335.00
Bolts (Axial/Wedge)	375.00	Physical Appearance	125.00
Guy Wire	390.00	Dimension Test	300.00
Using Shimadzu 50kN	390.00	Torsion Test	225.00
Bolts (Axial/Wedge)	390.00	Winding Test	225.00
2. Bend Test		12. Complete Physical Test for Angle Bars	
Plate/Cylinder/Rebar	190.00	Tension Using Shimadzu 2000kN	205.00
3. Variation in Mass	50.00	Tension Using Shimadzu 50kN	390.00
4. Deformation Measurement	50.00	Dimension Test	230.00
5. Hardness Test		Out of square Test	205.00
Rockwell, 5 Indentations	140.00	Test of Camber	185.00
Brinell, 2 Indentations	180.00	Variation in Mass	50.00
Vickers, 5 Indentations	240.00	13. Dimensional for Nails	350.00
Micro Vickers, 1 Indentation	270.00	14. Fracture/Break Test	810.00
Microdur, 5 Indentations	180.00	15. Pull-Out Test (Shimadzu 50kN)	390.00
6. Compression Test		16. Impact Test at Low/ Room Temperature	540.00
Using Shimadzu	355.00	17. BURST TEST	
Using Shimadzu 50kN	375.00	2 Piece Cylinder	1,550.00
7. Flattening/Transverse Test		3 Piece cylinder	3,500.00
Using Shimadzu 2000kN	195.00	18. AIR LEAK TEST	
Using Shimadzu 50kN	330.00	2 Piece Cylinder	1,600.00
8. Proofload/Breaking Load		3 Piece cylinder	2,500.00
Manhole cover/Grating	1,250.00	19. HYDROSTATIC TEST	
Clevis Assembly	1,325.00	2 Piece Cylinder	3,650.00
Turn Buckle, 1" – 2"	745.00	3 Piece cylinder	4,750.00
Turn Buckle, > 2"	1,480.00	20. Sample Preparation	
Wire Rope/Cable Wires $\geq \phi 1 \frac{1}{2}$ "	1,250.00	Notching	125.00
Small Sample (< 15 kg)	355.00	Oxy-acetylene Cutting	50.00
Big Sample (15 to 35kg)	655.00	Grinding	85.00
Heavy Sample (above 35kg)	1,550.00	21. Sectioning Cost	
7 Wire Strands	1,250.00	Up to 1 in ²	160.00
Using Shimadzu 50kN	390.00	1-4 in ²	220.00
9. Deflection Test		22. Photo print (B/W)	80.00
Using Shimadzu 2000kN	390.00		
Using Shimadzu 50kN	430.00		

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NONDESTRUCTIVE TESTING LABORATORY

TEST NAME	RATE (Pesos)	TEST NAME	RATE (Pesos)
1. Radiography, X-ray (3.5" X 17" Film)		4. Tire Endurance Tester	
10 mm thick and below	540.00	Motorcycle /sample	per quotation basis
>10-25 mm thick	570.00	Passenger Car/sample	per quotation basis
>25-35 mm thick	620.00	Truck/Bus/sample	per quotation basis
>35-50 mm thick	660.00		
2. Radiography, X-ray (14" X 17" Film)		5. Friction Test for Brake/ Clutch Lining Materials /pc	400.00
10 mm thick and below	1,140.00		
>10-25 mm thick	1,165.00	6. Vibration Test /hour	300.00
>25-35 mm thick	1,190.00		
>35-50 mm thick	1,230.00	7. Fatigue Test (Repeated Load Test) / hour	750.00
3. Ultrasonic Testing Set-up			
Flaw Detection (per sq. ft.)	385.00	8. Hardness Test for Rubber	400.00
Flaw Detection (per linear ft.)	420.00	Average of five (5) readings	
Thickness Gaging (per point)	60.00	9. Roughness Test /point excluding set-up	200.00
4. Liquid Penetrant Testing			
Visible (per sq. ft.)	370.00	10. Data Recorder/Analyzer	2,700.00
Visible (per linear ft.)	360.00	Accelerometer, Strain Gauges	
Fluorescent (per sq. ft.)	420.00	Static Torque & Load Cell	
Fluorescent (per linear ft.)	370.00	excluding sensor installation / day	
5. Magnetic Particle Test		11. Crash Test (Pendulum-type)	3,000.00
Wet-Visible (per sq. ft.)	410.00	Transport Body Impact Tester	
Wet-Visible (per linear ft.)	380.00	excluding sensor installation / day	
Fluorescent (per sq. ft.)	430.00		
Fluorescent (per linear ft.)	390.00	12. Seat Frame Endurance Test / hr	200.00

AUTO-PARTS TESTING LABORATORY

TEST NAME	RATE (Pesos)	TEST NAME	RATE (Pesos)
1. Emergency Locking Retractor Test (Angle Lock)/sample	500.00	13. Weighing / sample	as per quotation basis
2. Length Adjustment Force (Extraction/Retraction)/sample	500.00	14. Photo / print	80.00
3. Environmental Testing			
Exhaust Muffler (Furnace)/hr	500.00		
Heat Resistance (Industrial Oven)/hr	50.00		
Dust Resistance (Dusting Chamber)/hr	200.00		

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ELECTRICAL CALIBRATION

TYPE OF EQUIPMENT/DEVICE	RATE (Pesos)	TYPE OF EQUIPMENT/DEVICE	RATE (Pesos)
AC Current Source/Standard up to 50A	2,650.00	High Voltage Meter (up to 10 kV) Up to 10 kV	2,000.00
per succeeding range	750.00	per succeeding range	1,150.00
AC Voltage Source/Standard up to 1000V	1,750.00	Insulation Tester (Megohmmeter) up to 1000V	1,050.00
per succeeding range	550.00	per succeeding range	350.00
Ammeter (AC, 20 A) 1 to 2 ranges	750.00	Megohmmeter up to 1000MΩ	1,090.00
1 to 5 ranges	1,200.00	per succeeding range	350.00
Ammeter (DC, 2 A and below) 1 to 2 ranges	700.00	Kelvin Bridge up to 1MΩ	2,100.00
1 to 5 ranges	1,150.00	per succeeding range	1,250.00
Ammeter (DC, above 2 A) 1 to 2 ranges	1,000.00	Millivolt Potentiometer Up to 100mV	1,850.00
1 to 5 ranges	1,700.00	per succeeding range	900.00
AC Clampmeter (up to 500A) up to 500A	800.00	Multimeter, Analog	2,250.00
per succeeding range	300.00	Multimeter, Digital, 3 ½ digits	3,250.00
Current Shunt, (AC, 10 A)	1,300.00	4 ½ digits	5,050.00
Current Shunt, (AC, 50 A)	1,650.00	5 ½ digits	7,900.00
Current Shunt, (DC, 10 A)	1,400.00	6 ½ digits	10,150.00
Current Shunt, (DC, 50 A)	1,700.00	Ohmmeter 100mΩ to 100GΩ	900.00
DC Current Source/Standard Up to 50A	2,100.00	per succeeding range	350.00
per succeeding range	900.00	Ohmmeter (0-14 pH)	700.00
DC Voltage Source/Standard by direct measurement up to 1000V	1,400.00	Puncture Tester 1st range	950.00
per succeeding range	650.00	per succeeding range	400.00
by transfer method up to 1000V	2,600.00	Puncture w/ Insulation Tester Up to 5Kv AC/DC, 2A AC/DC, and 100 MΩ	1,950.00
per succeeding range	1,100.00	Resistance Box 1st five points	550.00
DC Clampmeter up to 500A	900.00	per succeeding point	150.00
per succeeding range	350.00	Rheostat	550.00
Decade Resistance Box (per dial)	1,100.00	Stopwatch (15 mins. minimum)	680.00
Double Bridge 1st range	1,800.00	Standard Resistor by direct measurement	3,150.00
per succeeding range	1,100.00	by ratio	4,250.00
Earth Tester 1st range	1,350.00	Surface Resistance Checker 1st range	850.00
per succeeding range	400.00	per succeeding range	510.00
Electronic Load up to 20A	1,200.00	Ultrasonic Tester	1,600.00
per succeeding range	800.00	Variable AC Transformer	700.00
Groundstrap Tester/Checker 1st range	550.00	Voltmeter, (1000V, AC/DC) 1st range	700.00
per succeeding range	330.00	per succeeding range	350.00

Note: The prices indicated herein serve as general guides and may vary from model to model.

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