



ATEL-1-0121-006F

**SCOPE OF ACCREDITATION**

**Analytical Laboratories Section  
Metals Industry Research and Development Center  
MIRDC Compound, Gen. Santos Ave., Bicutan, Taguig City**

**Chemical Testing**

Classification of Scopes	Specific tests or Measurements	Standard Method/ Reference Standard
Metals and Alloys/ Metals and Metal Products		
Steel/Stainless Steel	Carbon Silicon Manganese Phosphorus Sulfur Chromium Molybdenum Nickel Copper Boron Aluminum Niobium Titanium Vanadium Tungsten	PCL-NTP-034
Carbon and Low Alloy Steel	Carbon Silicon Manganese Phosphorus Sulfur Chromium Molybdenum Nickel Copper Boron Aluminum Niobium Titanium Vanadium Cobalt	ASTM E415



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Austenitic Stainless Steel	Carbon Silicon Manganese Phosphorus Sulfur Chromium Molybdenum Nickel Copper	ASTM E1086
Cast Iron	Carbon Silicon Manganese Phosphorus Sulfur Chromium Molybdenum Nickel Copper Tin Titanium Vanadium	ASTM E1999
Copper and Copper alloys	Copper Zinc Lead Tin Phosphorus Manganese Iron Nickel Silicon Magnesium Chromium Antimony Bismuth Silver Cobalt	PCL-NTP-035



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Classification of Scopes	Specific tests or Measurements	Standard Method/ Reference Standard
	Aluminum Sulfur	
Aluminum and Aluminum Alloys	Silicon Iron Copper Manganese Magnesium Chromium Nickel Zinc Titanium Lead Bismuth Cobalt Phosphorous Vanadium	ASTM E1251
Bare Metals	Salt Spray Test	ASTM B117, JIS Z2371
Metallic Coatings and Treatment Solutions		
Metallic Coatings	Mass of Coating	ASTM A90/A90M, PNS 67:2000, PNS 26:1992, PNS ISO 1460:2004
	Thickness of Coating	ASTM B504, ASTM B499
	Adhesion Test	ASTM B571
	Bend Test	PNS 67:2000
	Salt Spray Test	ASTM B117, JIS Z2371:1988, PNS 1892:2000
	Rating of Test Specimens Subjected to Salt Spray Test	ISO 10289:1999



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Classification of Scopes	Specific tests or Measurements	Standard Method/ Reference Standard
Paints and Related Surface Coatings		
Paint Coating	Thickness of Paint Coating	ASTM D1005
	Bend Test	ASTM D4145, PNS 201:1990
	Impact Test	ASTM D2794, PNS 201:1990
	Adhesion Test	ASTM D3359
	Film Hardness Test	ASTM D3363/ PNS 201:1990
	Salt Spray Test	ASTM B117, JIS Z2371:1988
	Rating of Test Specimens Subjected to Salt Spray Test	ASTM D1654, ASTM D714

Legend to Reference Standards:

- ASTM - American Society for Testing and Materials
- ISO - International Organization for Standardization
- JIS - Japanese Industrial Standard
- PNS - Philippine National Standard

  
**JAMES E. EMPEÑO**  
Director IV  
Philippine Accreditation Bureau

  
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TESTING LABORATORY  
PNS ISO/IEC 17025:2017  
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