

# Precision Manufacturing Inc.

## Incoming Material Inspection Report

Report Information	
Report ID:	IMI-2025-0147
Date:	January 20, 2025
Inspector:	David Chen
Shift:	Day Shift
Status:	CONDITIONAL ACCEPT

### MATERIAL INFORMATION

Field	Value
Supplier:	Metro Steel Supply
Material:	Aluminum 6061-T6 Bar Stock
PO Number:	PM-2025-0892
Lot Number:	MS-240115-A6
Quantity Received:	48 bars
Certificate Number:	MS-2025-0234

### DIMENSIONAL INSPECTION

Diameter Specification: 25.4mm ±0.1mm


Sample Size: 5 pieces (10% sampling)





Bar #	Measurement (mm)	Result
Bar #1	25.38	✓ PASS
Bar #2	25.42	✓ PASS
Bar #3	25.35	✓ PASS
Bar #4	25.44	✗ FAIL - Outside upper tolerance
Bar #5	25.37	✓ PASS

### SURFACE CONDITION




- ✓ Visual inspection: Minor scratches noted on 3 bars
- ✓ Surface finish: Acceptable per specification
- ✓ Condition: No corrosion or contamination observed

# CHEMICAL CERTIFICATION REVIEW




Mill Certificate: MS-2025-0234  VERIFIED

Element	Actual %	Specification	Result
Silicon (Si)	0.6%	0.4-0.8%	 PASS
Iron (Fe)	0.28%	<0.7%	 PASS
Copper (Cu)	0.25%	0.15-0.4%	 PASS
Manganese (Mn)	0.08%	<0.15%	 PASS

## DISPOSITION

-  **CONDITIONAL ACCEPT** - Use remaining 47 bars for production
-  **REJECT** - 1 bar (oversized) returned to supplier
-  **NCR Number:** NCR-2025-0089 issued for oversized bar

## NEXT ACTIONS

-  Contact supplier regarding out-of-spec material
-  Update supplier scorecard
-  Implement 20% sampling for next three shipments

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**Inspector Signature:** David Chen  
**Quality Manager Review:** M. Patel  
**Date Approved:** January 20, 2025