

## TEST REPORT

Report No.: **2510310053**

Page 1 of 3  
Date: 06-11-2025

Issued To:

**M/s GOYAL INC**

KHASRA NO. 1883/1884/1885, DELHI SAHARANPUR NH 709 B,  
VILLAGE KATHA, KHEKHRA RURAL, BHAGHPAT 250101

Sample Description : ALUMINIUM PIPE  
Sample Received Date : 31-10-2025  
Sample Drawn By : Client  
Specification : **ASTM B221 Alloy 6063**  
Test Requested : CHEMICAL ANALYSIS, HARDNESS, TENSILE  
Test Method : Refer to Attached Pages.  
Test Result : Refer to Attached Pages.

### SAMPLE PICTURE



Authentication: To Check authenticity of Test report (s), Scan QR code to get original data.



**BIS, DGQA & Various Govt. Approved Laboratory**

**ISO 9001 : 2015, ISO 14001:2015 & OHSAS 18001:2007 Certified Laboratory**

1. Sample will not be retained more than one month for chemical and three month for mechanical unless specified instructed. 2. Samples analysis conducted on as received basis and followed by customer description, unless specified otherwise. 3. The laboratory will not be liable for sample destroy/damage during testing, unless instructed otherwise. 4. Any Complaints matter about this report should be communicated in written, within 7 days of issue of this report. 5. The result listed refer only to the tested samples and applicable parameters as described by customer. Endorsement of product is neither inferred nor implies. 6. Total liability of our laboratory is limited to the invoiced amount only. 7. This report cannot be used as and evidence in a court of law without the written approval of the laboratory.

**MSF 5.10.01**



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Report No.: **2510310053**

Page 2 of 3  
Date: 06-11-2025

### I. Mechanical

#### 1. Mechanical Properties of Metal

**TENSILE TEST** Test performed on: 31-10-2025 to 06-11-2025

Test Method: IS 1608, Part-1/IS 1501

Test Parameter	Result	Requirement (as per ASTM B 221,Gr.-6063, condition- T6)	Conformity
Tensile Strength (N/mm <sup>2</sup> )	247	207 min.	Yes
Yield strength (N/mm <sup>2</sup> )	232	172 min.	Yes
Elongation (%)	9.0	8.0 min.	Yes
Hardness (HV 5)	99.0		

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Report No.: **2510310053**

Page 3 of 3  
Date: 06-11-2025

### II. Chemical

#### 2. Metal & Alloys

#### CHEMICAL ANALYSIS

Test performed on: 05-11-2025 to 06-11-2025

Test Method : ASTM E 1251:2017

Element	%	Requirement (as per ASTM B221 Alloy 6063)	Conformity
Silicon	0.417	0.20-0.60	Yes
Iron	0.177	0.35 max.	Yes
Copper	<0.005	0.10 max.	Yes
Manganese	0.016	0.10 max.	Yes
Magnesium	0.480	0.45-0.90	Yes
Chromium	<0.005	0.10 max.	Yes
Nickel	<0.005		
Zinc	<0.005	0.10 max.	Yes
Titanium	0.029	0.10 max.	Yes
Aluminium	Remainder		

**Remarks:** Sample conforms to as per ASTM B 221Gr.- 6063 condition-T6 with respect to above test.

-----End of Report-----



D. Kumar  
QUALITY MANAGER

Authorised Signatory



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