

MILL TEST CERTIFICATE



IS 1897:2008



CM/L-9100206810

IS 410:1977



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Customer Name

SHAAN IMPEX

Test Certificate No.	17342	Date	26/08/2026
Item Code	---	P.O. No.	
Size (OD x T)	10"X0.555MM	P.O. Date	12-08-26
Temper	SOFT	Copper Grade	99%+
Invoice No.	26-27/	Quantity in KGS	917.700
Remarks		Material	copper circle

1 DIMENSIONAL PROPERTIES

Parameters	Specified	Ref. IS Standard	Conformity
OD	10" (+/-0.5)	3052 : 1986	✓
Thickness	0.555MM (+/-0.02)	3052 : 1986	✓

2 MECHANICAL PROPERTIES

Parameters	Ref. IS Standard	Specified	UOM	Observed		
Hardness	1501 : 2020	50-60	VPN	50	53	55
Ultimate Tensile Strength	1608 : 2022	200-250	N/mm ²	223	226	228
Elongation on Gauge Length of 50mm	1608 : 2022	>35	%	42	43	44
Yield Strength	---	---	N/mm ²	---	---	---
Bend Test	1599 : 2023	180° PASS	---	OK	OK	OK
Electrical Resistivity	---	---	ohm.mm ² /m	---	---	---
Electrical Conductivity	---	---	% IACS	---	---	---
Erichen Value	---	---	mm	---	---	---
Grain Size	---	---	mm	---	---	---
R.A Value	---	---	um	---	---	---
Surface Finish	---	Bright, Smooth & free from strains	Visual	FINE	FINE	FINE

3 CHEMICAL ANALYSIS

Parameters	Specified	UOM	Result
Copper (any silver present to be counted as copper)	99%+	%	99.51%

Certified that the sample of a Specimen of **copper circle** is as per specification.Mittal Engineering Industries
Old Bilaspur Road, Jagadhri (Haryana)
GSTIN : 06AAFFM2543K1ZA
PAN : AAFFM2543KLab. Incharge