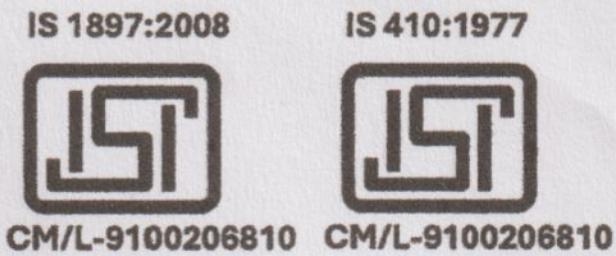


MILL TEST CERTIFICATE



Old Bilaspur Road, Jagadhri,
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+91 9050584700
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Customer Name	SHAAN IMPEX
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Test Certificate No.	17084	Date	22/08/2026
Item Code	----	P.O. No. / Date	MAIL / 10-06-26
Size (OD x T)	10"x0.92	Alloy	CuZn37
Temper	SOFT	Coil No.	----
Invoice No.	26-27/	Quantity in KGS	459.750
Remarks		Material	BRASS CIRCLE

1 DIMENSIONAL PROPERTIES

Parameters	Specified	Tolerance	Ref. IS Standard	Conformity
OD	10"	(+/-0.5)	3052 : 1986	✓
Thickness	0.92MM	(+/-0.02)	3052 : 1986	✓

2 MECHANICAL PROPERTIES

Parameters	Ref. IS Standard	Specified	Observed	Conformity
Hardness in VPN	1501 : 2020	60-70	60-65	✓
Grain Size in mm	4748 : 1988	0.025-0.035	0.028	✓
Tensile Strength in N/mm²	1608 : 2022	285-340	308	✓
Elongation in % per 50mm gauge length	1608 : 2022	>45	53.7%	✓
Bend Test (Transverse/Longitudinal)	1599 : 2023	180° PASS	OK	✓

3 CHEMICAL COMPOSITION (% BY WEIGHT)

Parameters	Specified	Observed	Conformity
Copper (Cu)	63 (+/-1.50)	63.2%	✓
Lead (Pb)	0.005(max	0.002	✓
Iron (Fe)	0.05(MAX)	0.002	✓
Zinc (Zn)	REM.	REM.	✓

Certified that the sample of a specimen of brass circle is as per specification under BIS certificate licence No. 9100206810 as per IS 410:1977, dated 11/10/2024.

Mittal Engineering Industries
Old Bilaspur Road, Jagadhri (Haryana)
GSTIN : 06AAFFM2543K1ZA
PAN : AAFFM2543K

Lab. Incharge