



Test certificate

Special wire products (p) Ltd.,
235, Sidco Industrial Estate,
Ambattur, Chennai-600098

Product : STAR - Ø1.20mm FLUX CORED WIRE
Grade : E71T - 1C , E71T1 - C1A0 - CS1
Character : SFA 5.20 , SFA5.36
Batch No : V23408009
Size : Ø 1.2 mm

Test certificate no : 629
Email : sales@specialwires.in
Web site : www.specialwire.in
Date : 20.09.2023

This is to certify that all tests required by the specifications shown for classification were performed, and the material tested met all requirements. It is manufactured and supplied as per the Quality system program of SWP, which meets the requirements of SFA 5.20 - E71T-1C and other specification, as applicable.

OPERATING PARAMETERS	SIZE OF WIRE(MM)	POLARITY CURRENT TYPE	SHIELDING GAS
SPECIFICATION	Ø 1.2 - 0.05	DC+	80%Ar +20%CO2
ACTUAL	1.17	DC+	80%Ar + 20%CO2
RESULT	OK	OK	OK

CHEMICAL COMPOSITIONS OF WIRES

CHEMICAL COMPOSITIONS	C	Mn	SI	P	S
SPECIFICATIONS	0.12 % MAX	1.75% MAX	0.90% MAX	0.03% MAX	0.03% MAX
VALUES	0.036	1.02	0.26	0.011	0.002

MECHANICAL PROPERTIES OF WIRE

MECHANICAL PROPERTIES	Tensile strength [N/mm2]	Yield Strength [N/mm2]	Elongation %	Average impact energy J@-30°C
SPECIFICATIONS	490-670 MIN	390 MIN	22 MIN	55 MIN
VALUES	627	522	27.3	55



[Signature]
Quality Assurance