PRODUCT SPECIFICATION

TITLE: ZINC WIRE (99.995% Purity)

REF. NO : PDS/911
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1. SCOPE: This Specification Covers Zinc Wire majorly used for Spray Metallization

2. GENERAL: Zinc Wires manufactured from Virgin Quality Special High Grade Zinc through Continues Casting and Rolling process.

3. CHEMICAL COMPOSITION:

Material Purity is as per BS EN 1179-2003 Z1 and ISO 14919:2015 and IS: 12447-1988.

Element	% of Element
Zinc	99.995%
Lead	0.0030%
Cadmium	0.0030%
Iron	0.0020%
Tin	0.0010%
Copper	0.0010%
Aluminium	0.0010%
Total of all above	0.0050%

4. SIZE: Zinc Wire having sizes:

1.20 mm to 6.00 mm with Tolerance. As per below chart

Sr. No.	Size	Acceptance Criteria
1	≥1.20mm to ≤4.00mm	+0.00mm -0.05mm
2	≥4.00mm to ≤4.76mm	+0.00mm -0.07mm

5. PHYSICAL PROPERTIES

Sr. No.	Type	UTS	Elongation
1	Zinc wire	90-110 mpa	Min 60 %

6. SAMPLING PLAN: One sample per 1 Ton lot.

7. ACCEPTANCE CRITERIA:

1. Zinc Wire should be free from Burrs, Cut's Kinks and Bends etc.
2. Zinc Wire should be bright shiny in appearance.
3. Twist Test: Wire should not split.
4. 'U' pin test: No abnormality like surface crack, deformation should be visible.

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8. HANDLING AND STORAGE: Zinc Wire is supplied in

1. 350/400/450/500 kg metal drum
2. 300/250 kg Paper Fiber Drum
3. 40/80/100/125 kg Paper Fiber Drum.
4. Loose coils approx.30-40 kg.
5. 3/15/20 kg Spool

9. SHELF- LIFE: Zinc wire has infinite shelf life, if stored in control condition.

Prepared by: HOD Q.A.	Approved by: Vice President (Ops.)
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