



**ARC INSULATION AND INSULATORS PVT LTD.**  
VILL-RAMDEVPUR, P.O.-BAWALI, DIST-SOUTH 24 PARGANAS, PIN-743384, W.B.

**QC REPORT**

**ISSUED TO:** Al Shallal Joint General Trading & Contracting Co. (SLP) **DATE OF ISSUE:** 22.08.2023

**COMPONENT/ PRODUCT:** GRP Ladder

**P.O No:** AJC/P3/0G90

S.NO.	PARAMETER	SPECIFIED	OBSERVED	REMARKS
<b>Load Test</b>				
S.NO.	PARAMETER	SPECIFIED	OBSERVED	REMARKS
1	Strength Test	The Permanent deformation of the ladder shall not exceed 0.1% of the distance between the support.	Nil	Pass
2	Bending Test of Rungs & Steps	The maximum permanent deformation after removal of test load shall be less than or equal to 0.5% of the inner width	Nil	Pass
3	Rung Shear Strength	A Constant Load of 500 kg is applied on the top rung interface for 90 Sec.	No Structural Damage found also no looseness and twisting of rungs occurred in the stiles	Pass
4	Rung Strength Test	A Constant Load of 375 kg is applied on the top rung at midway between stiles for 90 Sec.	No Structural Damage found also no looseness and twisting of rungs occurred in the stiles	Pass
5	Side Sway Test	Ladder is placed with stiles horizontal and rungs vertical and a vertical force 147 N, 260 N & 325 N is applied to a bearing block at centre of span over 1000 mm for period of 60 Sec	No Structural Damage found also no looseness and rungs occurred in the stiles & deflection of bottom stile is not more than 25 mm	Pass

**Remarks (If any): All the above parameter confirms the product quality & Tested found OK.**

**For, ARC Insulation & Insulators Pvt. Ltd.**