



(2011)国认监认字(152)号

TEST REPORT

No. : WQ23332

Product Name: Steel wire ropes for elevators

Entrusting Unit: HANGZHOU XINYUAN ELEVATOR PARTS CO., LTD.

Testing Sort: Entrusting test

China National Steel Wire Products
Quality Supervision & Testing Center



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Entrusting unit	HANGZHOU XINYUAN ELEVATOR PARTS CO., LTD.		
Manufacturer	HANGZHOU XINYUAN ELEVATOR PARTS CO., LTD.		
Product name	Steel wire ropes for elevators		
Construction & size	8NAT8×19S+SF 1570/1770 ZS		
Test sort	Entrusting Test	Sample Number	1pcs
Sampling method	Posting	Arrival Date	11/09/2013
Sample facies	No visible defects	Entrusting person	Xuchen
Reference of test	GB 8903-2005 《Steel wire ropes for elevators》 & customer requirements.		
Test item	Diameter of steel wire rope: 1. No load, 2.5% of minimum breaking force, 3. 10% of minimum breaking force; 4. Breaking force of steel wire rope, 5. Content of lubricants in fiber core, 6. Content of lubricants in strand; Dismantle one strand of rope at random: 7. Diameter of steel wire, 8. Tensile strength, 9. Torsion, 10. Ratio of knotting tension.		
Test conclusion	Entrusting test amount 10 items, tested, 10 items up to the standard. The above items of the sample are conformable with the standard of GB 8903-2005 & customer requirements.		
Remarks	Blank		



Approved by:

Reviewed by:

Compiled by:

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Test item			Required	Actual	Judgment
Diameter of steel wire rope (mm)	No load		$8^{+4\%}_{+1\%}$	8.36	Conformity
	5% of minimum breaking force		$8^{+3\%}_0$	8.20	Conformity
	10% of minimum breaking force		$8^{+3\%}_0$	8.10	Conformity
Out-of-roundness (%)			≤ 3	1	Conformity
Lay pitch(mm)			≤ 54.00	49.95	Conformity
Content of lubricants in fiber cores (%)			4~10	5.7	Conformity
Content of lubricants in strand(%)			0.75~1.5	1.3	Conformity
Breaking force of steel wire rope(kN)			≥ 38.0	41.5	Conformity
Dismantle one strand of rope at random	Diameter of steel wire	$\Phi 0.52\text{mm}$	0.52 ± 0.01	0.51~0.52	Conformity
		$\Phi 0.30\text{mm}$	0.30 ± 0.01	0.29~0.30	Conformity
	Tensile strength	$\Phi 0.52\text{mm}$	1570~1850	1685~1718	Conformity
		$\Phi 0.30\text{mm}$	1770~2160	1867~2051	Conformity
	Torsion (Times /360°)	$\Phi 0.52\text{mm}$	≥ 30	50~59	Conformity
	Ratio of knotting tension(%)	$\Phi 0.30\text{mm}$	≥ 50	62~70	Conformity