

Test report

Test items	SP-DKP-F170-24P-RDM salt spray corrosion test
Test object	SP-DKP-F170-24P-RDM
Purpose of detection	To verify the corrosion resistance of SP-DKP-F170-24P-RDM
Test time	Starts: 2024-11-10 Ends: 2024-11-13
Testing Instruments	Drying box, salt spray test box

Experimental methods and steps:

1. SP-DKP-F170-24P-RDM was cleaned with alcohol first, and the salt spray corrosion test liquid was prepared: 50G sodium chloride and 1 liter of distilled water. The PH value and specific gravity of the test liquid were determined

2. 2024.11.10 Start to put the sample into the salt spray test chamber for salt spray corrosion test

3. 2024.11.13 Salt spray corrosion test ends

4. After the test, take out the sample from the salt spray tank, wash the surface with tap water to remove the salt sediment, and then immediately put it into the drying oven at 70°C for 30 minutes to dry

Test data:

Salt spray test record sheet

Test date November 10, 2024 Test number: 20241110		
Test time: 2024.11.10 to 2024.11.13: salt spray corrosion test for 72 hours		
1. Sodium chloride quality		The content of sodium chloride is greater than 99.7%
2 Distilled water quality		Boil tap water and strain it
3 Spray applicator:		1.34 ml / 80 cm/h
	3.1 Spray quantity	1.34 ml/h
	3.2 Collect the specific gravity or concentration of the solution at room temperature	1.03
	3.3 PH	7.6-8.0
4. Compressed air pressure		1.0±0.01 Kg/f/cm
5. Relative humidity of the laboratory		Greater than 95%
6 Test room temperature		50 + / - 1 °C
6 Pressure barrel temperature		65 + / - 1 °C

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日期：2024.11.13

8 Brine bucket temperature	50 + / - 1 °C
9. Other	
Determine:	1. According to the terms of GB 5944-86 judgment
	2. Judging by other methods:

Before the test: confirm that the appearance of the product is intact (the lamp body has no corrosive traces)



During the test, the product is placed in the salt spray test chamber and adjusted to the parameters to start the test (72 hours).



After the test: rinse the product with clean water, dry the product in the drying oven: check whether there are corrosive traces on the surface of the lamp body





(No corrosion traces were found in the product)

表 2

锈 点 数	耐 腐 蚀 等 级
0	10
> 0 ~ 1	9
> 1 ~ 2	8
> 2 ~ 4	7
> 4 ~ 8	6
> 8 ~ 16	5
> 16 ~ 32	4
> 32 ~ 64	3
> 64 ~ 128	2
> 128 ~ 256	1
> 256	0

Test results:
According to the national standard GB 5944-86 "Evaluation of Corrosion Test Results of Metal coating of Light Industrial products" clause 5.6, SP-DKP-F170-24P-RDM corrosion resistance grade is 10;

The final conclusion of test:
According to the above test data analysis, the corrosion resistance test of SP-DKP-F170-24P-RDM product is qualified.