



河南中科联创检测服务有限公司
Henan Zhongke Lianchuang Test Service Co., Ltd

Test report

检验报告



检验报告编号

Inspection report No. B-XDQX-20200085(1-1)

样品名称

Name of sample: Philips UV-C Disinfection air unit

委托单位

Commission unit: Signify Luminaires (Shanghai) Co., Ltd

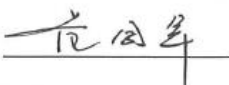
Test report

Sample No.	XDQX-20200085	Page1 / Total 2 ages	
Name of sample:	Philips UV-C Disinfection air unit	Brand:	PHILIPS
Factory:	Ningbo Teller Electrical Appliance Co., Ltd	Quantity of sample :	1
Commissioned by:	Signify Luminaires (Shanghai) Co., Ltd	Type/Model:	UVCA200
Commissioner's address:	2F, Building 6, No.1805 Huyi Highway, Malu Town, Jiading District, Shanghai City, P.R. China	The characteristics of sample:	Machine
Batch number:	20200724	Receiving date	2020.09.25
Classification of test:	Commission test		
Test according to:	Technical standard for disinfection	Complete date:	2020.10.10

Test conclusion:

Field test for air disinfection effect: Philips UV-C Disinfection air unit (UVCA200) was operated for 60min and 120min respectively in the 80m³ test chamber, and the killing rate of natural bacteria in the air was ≥90% in each test, which met the requirement of WS/T648-2019 《General hygienic requirement for air disinfecting machine》

签发人 (签字)



最终审核日期: 2020 年 10 月 10 日



Test report

Sample No.	XDQX-20200085	Page 2 / Total 2 pages
Name of sample:	Philips UV-C Disinfection air unit	Receiving date: 2020.09.25
Test item:	Field test for air disinfection effect	Complete date: 2020.10.10

一. Test equipment

1. Sample: Philips UV-C Disinfection air unit (Batch number is 20200724) .
2. Test strain: Natural Bacteria in air.
3. Culture medium: Tryptic Soy Agar medium (TSA).
4. Instrument and equipment: six - stage sieve - hole air - impactor sampler (KHW-6).

二. Test method

1. Test standard: Appendix B, WS/T648-2019 《General hygienic requirement for air disinfecting machine》

2. Sampling method : Samples were collected before disinfection test in the 80 m³ enclosed chamber with six - stage sieve - hole air - impactor sampler, the sampling time was 5 minutes

3. Disinfectant method: According the sample's manual ,Philips UV-C Disinfection air unit (UVCA200) was operated for 60min and 120min respectively in an 80m³ test chamber, Sampling was conducted in the test chamber and the sampling time was 10min, Repeated the experiment three times.

三. Test result: Three repeated tests proved that: Philips UV-C Disinfection air unit (UVCA200) was operated for 60min and 120min respectively in the 80m³ test chamber, and the killing rate of natural bacteria in the air was ≥90% in each test (Table 1).

Table 1: The disinfection effect of Philips UV-C Disinfection air unit

Test number	Number of Bacteria before testing (CFU/m ³)	Test time: 60min		Test time: 120min	
		killing rate (%)	Number of Bacteria after testing (CFU/m ³)	killing rate (%)	Number of Bacteria after testing (CFU/m ³)
1	3.3x10 ³	95.73	64	98.06	64
2	2.9x10 ³	96.34	43	98.52	43
3	2.4x10 ³	95.58	50	97.92	50

四， Test conclusion:

Field test for air disinfection effect: Philips UV-C Disinfection air unit (UVCA200) was operated for 60min and 120min respectively in the 80m³ test chamber, and the killing rate of natural bacteria in the air was ≥90% in each test, which met the requirement of WS/T648-2019 《General hygienic requirement for air disinfecting machine》

签发人（签字） 范同年

最终审核日期: 2020 年 10 月 10 日

