TEST REPORT

Send To: C0571321

Mr. Rakesh Guduru
UBO-Technologies dba Microlyscs
11511 Interchange Drive
Circle S
Miramar, FL 33025

Facility: C0571326

Taizhou Puan Lighting Technology Co., Ltd.
No. #2232, Juying Road,
Taizhou wan Gathering Area
Taizhou/Zhejiang 318000
China

Result	**PASS**	Report Date	21-JUN-2021

Customer Name	UBO-Technologies dba Microlyscs
Tested To	Standard 55 Microbiological Reduction, Q-Beta
Description	Crazy Cap Bottle
Test Type	Qualification Retest
Job Number	J-00393406
Project Number	W0680954
Project Manager	Anna Levoy

Thank you for having your product tested by NSF International.

Please contact your Project Manager if you have any questions or concerns pertaining to this report.

Report Authorization *Nancy F. Cole*   **Date** 21-JUN-2021

Nancy Cole - Director, Analysis Laboratories

Standard 55 Microbiological Reduction, Q-Beta: PASS

Manufacturer's Name: Taizhou Puan Lighting Technology Co., Ltd.

Job ID: J-00393406

Retest Of Job: J-00389710

Date of Job Creation: 05-MAY-2021

Date Sample Received: 05-MAY-2021

Date Test Completed: 02-JUN-2021

Sample Type: Qualification Retest

DCC Number: PW09509

§ **Flushing Time:** no flushing

§ **Maximum Rated Op. Pressure:** 0 psi

§ **Percent Capacity:** 100%

§ **Physical Description of Sample:** Sports Bottle

Standard Version: NSF/ANSI 55-2019: Ultraviolet Microbiological Water Treatment Systems

Test Description: Std. 55 LED Class B - Crazy Cap Bottle - QR

§ **Trade Designation/Model Number:** Crazy Cap Bottle

Performance Standard: 055

Reduction Performance P/F: PASS

Required Reduction: 2.14 Log

Influent Geometric Mean: 277000 PFU/mL

Geometric Mean: 422 PFU/mL

Geometric Mean: 397 PFU/mL

Effluent Log Reduction 1: 2.817 Log

Effluent Log Reduction 2: 2.844 Log

§ Data provided by customer and can affect the validity of the results

Data Summary Table

Sample Point	Q-beta (PFU/mL)			U.V. Transmittance (% Transmit)
	Influent	Effluent 1	Effluent 2	Influent
1 Start	493000	720	890	99
3 Start	945000	1070	760	99
5 Start	78500	110	110	99
7 Start	533000	700	630	98
9 Start	83000	220	200	98

U.V. Transmittance Detection Limit: 0.01 % Transmit

Data Analysis Table

Sample Point	Geo Mean (PFU/mL)		Inf. Geo Mean (PFU/mL)
	Effluent 1	Effluent 2	
1 Start	720	890	493000
3 Start	870	830	683000
5 Start	440	420	332000
7 Start	500	470	374000
9 Start	420	400	277000

Inf. Geo Mean: Influent Geometric Mean

Geo Mean: Geometric Mean

Water Characteristics

Characteristic	Units	Range		
		Minimum	Average	Maximum
Chlorine, Total	mg/L	ND(0.05)	ND(0.05)	ND(0.05)
Solids, Total Dissolved	mg/L	220	240	240
Temperature	degrees C	20	21	21
Turbidity	NTU	0.1	0.1	0.1
U.V. Transmittance	% Transmit	98	99	99
pH		7.00		7.97

All analyses performed at NSF International, 789 N. Dixboro Road, Ann Arbor MI 48105

Unless otherwise indicated, method uncertainties are not applied in any determinations of conformity. Testing utilizes the requested sections of any referenced standards, which may not be the entire standard.

Dates of Laboratory Activity: 14-MAY-2021 to 21-JUN-2021

Calculation Definitions

All calculations use values as presented in the Data Summary Table and rounding is performed only at the conclusion of the calculation.

Test Configuration