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Report Issued:	May 20, 2019	Project No.: 32046
Report To:	ASSE International 18927 Hickory Creek Dr Mokena, IL 60448	
Tested For:	Bella Vie Water, LLC 23251 Vista Grande Dr. #A Laguna Hills, CA 92653	
Source of Samples:	The units were shipped to IAPMO R&T Lab from Bella V good condition on 3/14/2019	ie and were received in
Location of Testing:	IAPMO R&T Lab, 5001 East Philadelphia Street, Ontario C	CA 91761
Dates of Evaluation:	April 16 <sup>th</sup> -May 14 <sup>th</sup> , 2019	
Product Description:	Batch systems, model EWPHAIAIF	
Primary Standard:	NSF/ANSI 42-2018	
Scope of Evaluation:	Qualification of the sample for Chlorine reduction as a ba	tch system
Conclusion:	The samples described in the "Product Description" wer to NSF/ANSI 42 2018 7.3.3 Chlorine reduction. Please re for details.	e evaluated according fer to following pages
Report Status:	COMPLIED	

Tested By,

**Report Number:** 

2295-19134-002

Reviewed By,

Kaitlin Rommelfanger, Lab Analyst

Sal Aridi - Director

This report replaces report **2295-19134.** It was reissed to correct the tested for address.

All testing and sample preparation for this report was performed under the continuous, direct supervision of IAPMO R&T Lab, unless otherwise stated. The observations, test results and conclusions in this report apply only to the specific samples tested and are not indicative of the quality or performance of similar or identical products. Only the Client shown above is authorized to copy or distribute the report, and then only in its entirety. Any use of the IAPMO R&T Lab name for the sale or advertisement of the tested material, product or service must first be approved in writing by IAO R&T Lab.

**Requirements for Compliance:** The system shall reduce an inflent challenge concentration of 2.0 mg/L of free available chlorine by a minimum of 50%

Number of Units	2	
Cycle	Maximum of one gallon per hour and 10 gallons per day	
Rated Capacity	200 gallons	
Conditioning	The upper tank was filled and the first batch of water was discarded	
Sampling	Sampled at 10 unit volume and at 10, 20, 30, 40, 50, 60, 70, 80, 90, and 100 percent of capacity	
Deviations from standard	none	

Influent water was prepared per the specifications in NSF/ANSI 42 Section 7.3.3.6.1 Those specifications are shown below.

рН	7.5 +/- 0.05
Temperature	20 +/- 3 degrees C
Test Average Free available	2.0 +/- 0.2 mg/L
Chlorine (FAC)	
Allowable Single Influent	2.0 +/- 0.4 mg/L
point Free available Chlorine	
(FAC)	
Total dissolved solids	200-500 mg/L
Total organic carbon TOC	≥ 1.0 mg/L
Turbidity	< 1 NTU

## Findings:

Samples Required by Standard (gallons)	Influent Chlorine (mg/L)	Effluent Chlorine (mg/L)	Effluent Chlorine (mg/L)
10 UV	1.9	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></rl<>
20	1.87	<rl< td=""><td>0.05</td></rl<>	0.05
40	1.92	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></rl<>
60	1.97	0.05	0.18
80	2.13	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></rl<>
100	2.18	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></rl<>
120	1.92	0.05	<rl< td=""></rl<>
140	1.92	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></rl<>
160	1.89	<rl< td=""><td>0.09</td></rl<>	0.09
180	1.9	0.1	<rl< td=""></rl<>
200	1.9	<rl< td=""><td><rl< td=""></rl<></td></rl<>	<rl< td=""></rl<>

 Table 3- Influent and effluent chlorine levels

Note: <RL (less than Reporting Limit) Reporting Limit for chlorine is 0.05mg/L

		Standard
	Results	Requirements
Ave Influent (Inf)		2mg/L +/- 0.2
mg/L	1.95	
		≤50% of
Ave Effluent (Eff) E1		influent
mg/L	0.05	
		≤50% of
Ave Effluent (Eff) E2		influent
mg/L	0.07	
Maximum Effluent		≤50% of
mg/L	0.18	influent
Ave % Reduction E1	97.2	
Ave % Reduction E2	96.6	
Ave % Reduction		
Both Samples	96.9	
Minimum %		
Reduction	90.9	

<b>Table 4-</b> Average influent, effluent and percent reduction	ction	percent red	and p	effluent	influent,	- Average	Table 4-
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## Pictures:

Figure 1- Units tested

