NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:
Automatic Weighing System
Gravimetric Filling Machine, Static
Model: Pre-CheQ Analyzer
n_{max}:10 000
e_{min}: 0.01 g
Capacity: 100 g
Accuracy Class: II

Submitted By:
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Standard Features

- External printing capability
- Touch Screen
- Category 3 Event logger
- Semi-Automatic Zero setting mechanism (SAZSM)
- Stainless steel construction
- Liquid Crystal Display

Load Cell Used: One Wipotec Model: SW2000-2000FS 2000 g capacity (non-ntep certified)

Temperature Range: 10 °C to 50 °C (41 °F to 104 °F)

This device was evaluated under the National Type Evaluation Program and was found to comply with the applicable technical requirements of "NIST Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Mahesh Albuquerque
Chair, NCWM, Inc.

Ivan Hankins
Chair, NTEP Committee
Issued: January 24, 2023

WeighPack Systems Inc.
Automatic Weighing System / Pre-CheQ Analyzer

Application: A three hopper static automatic weighing system used for gravimetric filling.

Identification: All required markings are on the startup screen.

Sealing: The WeighPack Pre-CheQ Analyzer is sealed with a password that the manufacture retains and the category 3 event logger records all calibration changes. There are no field changeable events for configuration. Refer to the "Examples of device" section for steps to retrieve the event logger.

Test Conditions: This certificate supersedes certificate of conformance number 22-077 and is issued to lower the division size to 0.01 grams and raise the nmax to 10 000 and change operating temperature range and add a category 3 event logger. The emphasis of this evaluation was on the device design, operation, marking, performance, and compliance with influence factor requirements. A Weigh Pack Model: Pre-CheQ analyzer was submitted for evaluation. The automatic weighing system utilizes a single Wipotec load cell model: SW2000-2000FS 2000 g capacity. The device was tested statically over a temperature range of 10 ºC to 40 ºC (50 ºF to 104 ºF). Multiple increasing and decreasing load tests were performed statically in gram to device capacity. Previous test conditions are listed below for reference.

Field permanence tests: The field testing was conducted at the applicant's facility. Multiple static increasing and decreasing tests were performed the device was sealed and 100 hours of operation were conducted. At the completion of 100 hours of operation the post-permanence static increasing and decreasing tests were repeated to device capacity.

Certificate of Conformance 22-077: The emphasis of this evaluation was on the device design, operation, marking, performance, and compliance with influence factor requirements. A Weigh Pack Model: Pre-CheQ analyzer was submitted for evaluation. The automatic weighing system utilizes a single Wipotec load cell model: SW2000-2000FS 2000 g capacity. The device was tested statically over a temperature range of 5 ºC to 40 ºC (41 ºF to 104 ºF). Multiple increasing and decreasing load tests were performed statically in gram to device capacity. The system was also tested over a voltage range of 102, 120 and 132 VAC.

Field permanence tests: The field testing was conducted at the applicant's facility. Multiple static increasing and decreasing tests were performed the device was sealed and 100 hours of operation were conducted. At the completion of 100 hours of operation the post-permanence static increasing and decreasing tests were repeated to device capacity.

Evaluated By: J. Gibson (OH) 22-077, 22-077A1

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2022 Edition. *NCWM Publication 14 Weighing Devices*, 2022 Edition.

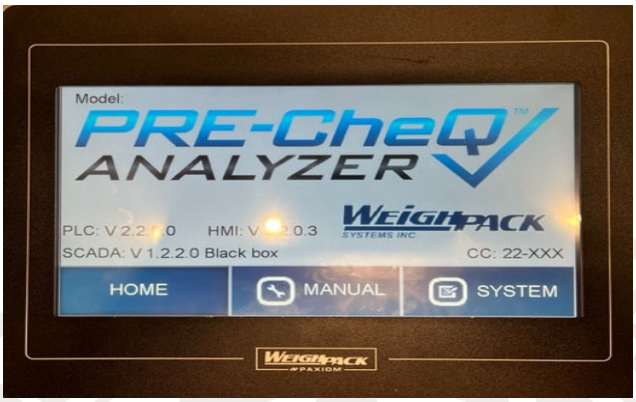
Conclusion: The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirement

Information Reviewed By: D. Flocken (NCWM) 22-077, 22-077A1

Example(s) of Device:

WeighPack Systems Inc.
Automatic Weighing System / Pre-CheQ Analyzer

Startup screen



Gravimetric Filler

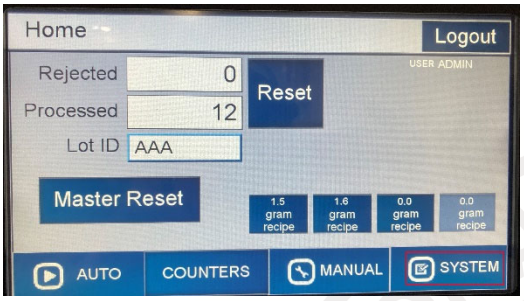
Weighing screen

Control Cabinet

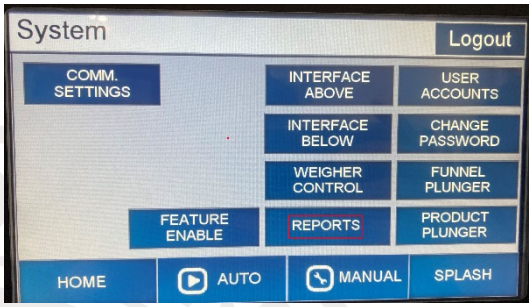
WeighPack Systems Inc.
Automatic Weighing System / Pre-CheQ Analyzer

Steps to retrieve the event logger.

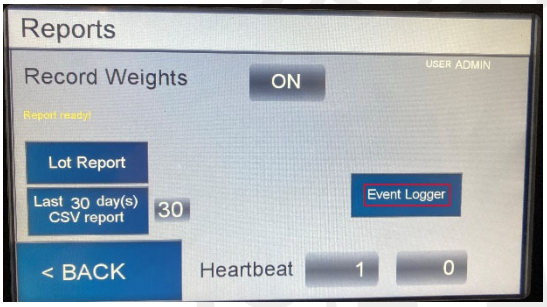
Step 1 Tap System button



Step 2 Tap reports button

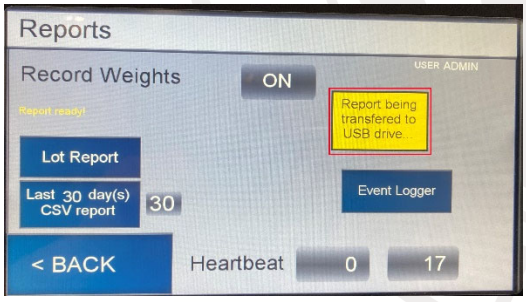


Step 3 Tap event logger button



Step 4 Insert USB drive

Step 5 Report being transferred appears



Step 6 Tap back button to return to weighing mode