



## NATIONAL TYPE EVALUATION PROGRAM

# Certificate of Conformance

for Weighing and Measuring Devices

**For:**

Automatic Weighing System  
Gravimetric Filling Machine, Static  
Model: PrimoCombi Multi Head Weigher  
 $n_{\max}$ : 10 000  
 $e_{\min}$ : 0.01 g  
Capacity: 100 g  
Accuracy Class: II

**Submitted By:**

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**Standard Features and options**

- Semi-Automatic Zero setting mechanism (SAZSM)
- Touch Screen
- Stainless Steel construction
- Smooth or dimpled hoppers
- 14 hoppers maximum
- Liquid Crystal Display
- Category 3 event logger
- 240 VAC

**Load Cell Used for individual hopper:** HBM model: Sp5C3 3 kg capacity (non-NTEP certified)

Temperature range of 10 °C to 30 °C (50 °F to 86 °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  
Committee Chair, NTEP Committee  
Issued: January 7, 2023

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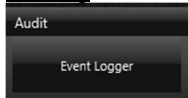
**WeighPack Systems Inc**

Automatic Weighing System / PrimoCombi Multi Head Weigher

**Application:** A multiple hopper up to 14 total hoppers static automatic weighing system used for gravimetric filling of discrete loads.

**Identification:** All required markings are on the display of the device.

**Sealing:** The PrimoCombi Multi Head Weigher is sealed with a category 3 event logger that can be accessed by touching the



event logger button on the reports screen. The Primo Combi only has calibration capability when installed. All configuration changes are factory set and not field changeable.

**Test Conditions:** The emphasis of this evaluation was on the device design, operation, marking, performance, and compliance with influence factor requirements. A Weighpack Model: PrimoCombi Multi head Weigher in a 14-hopper configuration with smooth and dimpled feed hoppers was submitted for evaluation. The automatic weighing system utilizes HBM load cells model: PW4M C3 500 g capacity. The device was tested statically over a temperature range of 10 °C to 30 °C (50 °F to 86 °F). Multiple increasing and decreasing load tests were performed in grams to device capacity. The system was also tested over a voltage range of 206 VAC to 264 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)

**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 requirements.

**Information Reviewed By:** D. Flocken (NCWM)

**Example of Device:**

