

State of California
Department of Food and Agriculture
Division of Measurement Standards

Certificate Number: 5621-09

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California Type Evaluation Program
Certificate of Approval
for Weighing and Measuring Devices

For:

Scale System Controller
Weigh-In/Weigh-Out Operation
Trade Name: Chow-Nido
Model: AFS-M2009
Version: 052009

Submitted by:

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Standard Features and Options

Primary weight indication and motion detection are provided by a compatible, certified indicating element.

Weighmaster ticket printing system
Computer display for operator interaction
Multiple weighing elements
Live video camera for display of vehicle position on the scale

Minimum system requirements: Computer display
Alphanumeric keyboard
Computer mouse
Printer

Operating system: Windows XP Professional
Program language: Dbase plus
Processor: 1.79 GHz, 0.99 GB RAM

Note: The user of this system is responsible for correct weighmaster certificate content and compliance with applicable weighmaster laws.

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable requirements of California Code of Regulations for "Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: December 10, 2009



Edmund E. Williams, Director

Ampersand Chowchilla Biomass LLC
Scale System Controller
Model: AFS-M2009

Application: Weigh-in/weigh-out scale system controller when interfaced with a compatible, certified indicating and weighing element.

Identification: The required identification can be viewed by selecting the “**Display System Identification F1 Key**” button on the Automated Weight System Menu display. In addition, the required identification can be viewed at any time while the system is running by pressing the F1 key on the keyboard.

Sealing: This system requires no provisions for sealing and is password protected. The password is retained by the manufacturer. Sealing of metrological parameters is provided by the weighing and indicating elements.

Operation: The system controller accepts gross weights from the indicating element and operates as a weigh-in/weigh-out system. Customer information and the inbound weight are accepted by pressing the “**Accept Weight**” button. The truck is emptied and returns to the weighing platform to complete the transaction. The net weight is calculated and a weight ticket is printed with the following information: gross, tare, and net weight, time, date, location of transaction, truck tracking number, trailer ID, lab analysis information. The non-computing scale is used for lab analysis of moisture content which is used to calculate the price of the load.

Test Conditions: The scale system controller, Model AFS-M2009, was interfaced with an Ohaus non-computing scale model AV412N (Certificate of Conformance Number 05-118A1), a Mettler-Toledo indicator, model JagXtreme, (Certificate of Conformance Number 94-096A6) and a Masstron, Inc. Toledo Scale Corporation weighing element model Truckmate MV 1051 (Certificate of Conformance Number 88-045). Several weighing operations were carried out at a field location and several weight tickets were printed. The emphasis of the evaluation was on device design, operation, interaction with the indicator and scale, customer display, and compliance with printed information requirements.

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2009 Edition

Tested By: S. Muñoz (CA), 2009



System Identification Button



System Identification