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

Certificate Number: 5390-04

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

For:

Hopper Scale Weighing/Load Receiving Element
Load Cell Electronic
Models: RT2A-HN and RT2A-CR
Capacity: See Table Below
n_{max}: See Table Below
e_{min}: See Table Below
Accuracy Class: III L

Submitted by:

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Standard Features and Options

Primary weight indications and motion detection are provided by an approved and compatible weight indicator.

Hopper construction: Mild steel

Load cells: Mettler-Toledo Model 745 (Certificate of Approval Number 3965(a)-97)

Model*	n_{max}	e_{min} (lb)	Capacity (lb)	Dimensions (inches)	Load Cells		Shape
					Number	Capacity	
RT2A-HN	1 000	5	5 000	50.438 High 72 Long 97.125 Wide	Four	2.5K	Rectangular with tapered bottom
RT2A-CR	1 600	5	8 000	50.438 High 168 Long 97.125 Wide	Four	2.5K	Rectangular with tapered bottom

* Where: RT2A-HN = High Natural Rubber Scale and RT2A-CR = Crumb Rubber Scale

Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable technical 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: June 16, 2004

Mike Cleary, Director

Reed International
Hopper Scale Weighing/Load Receiving Element
Models: RT2A-HN and RT2A-CR

Application: Construction material hopper scales for use with approved and compatible indicating elements.

Identification: An identification plate containing all required information is riveted to each scale.

Sealing: The junction box of each scale is sealed with a wire security seal threaded through a drilled head bolt and across the cover to the drilled head bolt on the other side. Sealing for calibration and configuration parameters is provided by each certified and compatible indicating element.

Operation: The trailer is designed to be leveled using integral jack stands. Scales must be calibrated before use at each location.

Test Conditions: The Models RT2A-HN and RT2A-CR were submitted for on-site evaluation and were each interfaced with a Rice Lake Weighing Systems Model IQ-810 digital indicator (Certificate of Approval Number 3744(b)-97). Each hopper scale was tested to capacity using known test weights. The emphasis of the evaluation was on device design, marking requirements, and performance of each weighing element. Increasing/decreasing load, discrimination, and return to zero tests were initially performed, then repeated after approximately 30 days and a minimum of 300 weighments were completed.

Results of the evaluation indicate the devices comply with applicable requirements.

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2004 Edition

Tested By: Ken Jones (CA)

REAR VIEW

FRONT VIEW