

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

Certificate Number: 5545-08
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California Type Evaluation Program
Certificate of Approval
for Weighing and Measuring Devices

For:
 Hopper Scale Weighing/Load Receiving Element
 Load Cell Electronic
 Models:
 n_{max} : See tables below
 e_{min} : See tables
 below

 Accuracy Class: See Application Section

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

Model	n_{max}	e_{min}	Capacity (lb)	Dimensions (inches)	Load Cells	Shape
CC-RMC-H2O	1000	4 lb	4 000	54 High 57 Long 36 Wide	Four (4) Artech Model 20210-3K CC: 87-057A3	Rectangular with tapered bottom
CC-HMA-MF	500	1 lb	500	45 High X 24.5 Diam.	Three (3) Artech Model 20210-500T CC: 87-057A3	Cylinder with tapered bottom
CC-HMA-RAP	500	5 lb	2 500	49 High 54 Long 39.5 Wide	Four (4) Artech Model 20210-750T CC: 87-057A3	Rectangular with tapered bottom

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: January 22, 2008

Edmund E. Williams, Acting Director

Vulcan Materials Company
Hopper Scale Weighing/Load Receiving Element
Models: CC-RMC-H2O, CC-HMA-MF, CC-HMA-RAP

Application: Construction material hopper scale weighing elements when used with approved and compatible indicating elements. The particular application for each model is:

CC-RMC-H2O – Water – Class III

CC-HMA-MF – Mineral Fines – Class III

CC-HMA-RAP – Recycled Asphalt Pavement - Class III

Identification: An identification plate containing all required information is permanently attached to the weighing elements.

Sealing: The junction box for the Models CC-HMA-MF and CC-HMA-RAP are sealed with a wire security seal threaded through holes drilled in the cover, cover bracket, and bracket flange on the box. The Model CC-RMC-H2O's junction box is sealed with two tamper evident adhesive seals, one on each side of the cover. Sealing for the calibration and configuration parameters is provided by the certified and compatible indicating element.

Test Conditions: The Vulcan Model CC-RMC-H2O, CC-HMA-MF, and CC-HMA-RAP weighing elements were submitted for evaluation and were each interfaced with a Rice Lake model IQ-510 indicator (Certificate of Conformance Number 98-081). The emphasis of the evaluation was on device design, marking requirements, and performance of the weighing element. Several increasing / decreasing load, discrimination, and return to zero tests were initially performed with known test weights and then retested after a minimum of 300 normal use weighments.

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

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2007 Edition.

Tested By: Ken Jones (CA)

CC-RMC-H2O



CC-HMA-MF



CC-HMA-RAP

