

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

Certificate Number: 5421-05  
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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  
Model: Basco 2000  
Capacity: 5 000 lb  
 $n_{\max}$ : 1 000  
 $e_{\min}$ : 5 lb

Accuracy Class: III L

**Submitted by:**

Basco Concrete  
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Contact: Rene Larranaga

**Standard Features and Options**

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

Hopper construction: Mild steel

Load cell type: (3) Incell, Model TSC Series (Certificate of Conformance Number 98-027) capacity 5 000 lb or certified equivalent

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 11, 2005



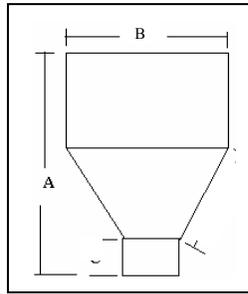
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Mike Cleary, Director

**Basco Concrete  
Hopper Scale Weighing/ Load Receiving Element  
Model: Basco 2000**

**Application:** Construction material hopper scale weighing element when interfaced to an approved and compatible indicating element.

**Identification:** The identification plate is riveted to the right side of the load cell junction box which is permanently mounted to the scale frame.

Dimensions: Height: (A) 87"  
Diameter: (B) 57"



**Sealing:** The junction box may be sealed with a wire security seal threaded through a drilled head bolt and an adjacent eye on the cover. Sealing for the calibration and configuration parameters is provided by the certified and compatible indicating element.

**Test Conditions:** The Model Basco 2000 weighing element was submitted for evaluation and interfaced with a Rice Lake Weighing Systems, Model IQ+310A indicator (Certificate of Approval Number 3745(c)-97). The hopper dimensions, as tested, were 87" high by 57" diameter. The 5 000 lb capacity weighing element was tested to capacity using 5 000 lbs of known test weights. 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 and then retested after approximately 116 days and a minimum of 300 normal use weighments.

Results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

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

**Tested By:** Charlie Nelson (CA)