

Laboratory Certificate



This certifies that Z. C. Metallurgical, Inc. located at 2870 Stirling Road, Hollywood, FL 33020 is an approved Testing Laboratory in accordance with Miami-Dade County Building and Neighborhood Compliance Department and Protocol 7AS301-94, and is Certified to perform the following tests:

Spectrographic, Micrographic, and Harness Analysis	ASTM D638	ASTM E18	ASTM F606
ASTM D785 Tensile & Shear Tests ASTM E8, E23, A385	ASTM D671	ASTM E110	
Salt Spray ASTM B117	ASTM D785	ASTM E112	
Humidity Test ASTM E41	ASTM D790	ASTM E340	
Stress Rupture ASTM E633	ASTM D792	ASTM E384	
ASTM A90	ASTM D1761	ASTM E488	
ASTM D635	ASTM E10	ASTM E1512	

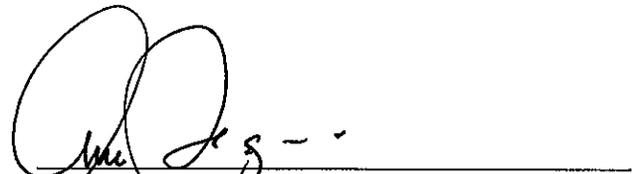
Results of the above mentioned test shall be properly submitted to the Miami-Dade County Building and Neighborhood Compliance Department per 7AS301-94, along with all other documentation required for the approval of products. Approved engineer(s) for this laboratory:

Frank E. Grate, Jr., P.E.

This Certification and Registration Approved: July 07, 2011
This Certification and Registration Expires : July 21, 2016

Certification No. : 11-0621.03 Renews: 06-0711.05


Jaime D. Gascon, P.E.
Product Control Section Supervisor
Product Control Supervisor


Americo Segura
Quality Assurance Unit Supervisor
Product Control Section

The Miami-Dade County Building and Neighborhood Compliance Department reserves the right to remove this certification for non-compliance with rules and regulations as set by Protocol 7AS301-94.