



AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the Product Covered described below herein when made in accordance with the authorized Listing Report, including Manufacturing/Machining Specifications, and under conditions set forth in the Certification Agreement and Listing Report, including Manufacturing/Machining Specifications. This authorization also applies to the Multiple Listee model(s) identified on the correlation page of the Listing Report.

Client Number: 27408 **Report Number:** 478-3902-2/01; 478-3024549-2/01

Evaluation Center: Intertek (Coquitlam)

Applicant/Basic Listee: Nungwon Metal Industrial Co., Ltd.
Nungdo Bldg #100-23, Shinseol-dong
Dongdaemoon-ku, Seoul,
Korea

Mr. Joo Soon Hwang
82-2-2254-2584
82-2-2231-9055

Product Covered: Nungwon Metal Ind. Seamless Copper Water Tube

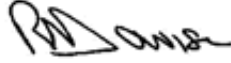
Testing Standards: ASTM B88 (1999)

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This document supersedes all previous Authorizations to Mark for the noted Report Number.

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Authorized By: _____

Bob Davison, Certification Manager, Toronto Center

Intertek Testing Services NA Ltd.
6225 Kenway Drive, Mississauga ON L5T 2L3 Canada
Phone 905-678-7820 Fax 905-678-7131

Listing Section(s): PRESSURE

Description: Seamless Copper Metal Tube: 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 3-1/2", 4", 5", 6", 8" 10" Nominal. Type K, L, M: Hard Temper (H), Soft Temper (O). **Note:** Type M excludes 1/4", 5/8" Nominal

Evaluated to the following:

Rigid (Vinyl Chloride) (PVC) Pipe and Seamless Copper Water Tube, for use in portable water, pressure application. Products are tested to one or more of the following, as identified in the individual listings:

CSA-B137.0, Definitions, General Requirements, and Methods of Testing for Thermoplastic Pressure Piping

CSA-B137.3, Rigid Poly (Vinyl Chloride) (PVC) Pipe for Pressure Applications

CSA-B137.5, Crosslinked Polyethylene (PEX) Tubing Systems for Pressure Applications

ASTM-B88 ('83/'89), Seamless Copper Water Tube

FM Approval Standard, Class No. 1610, Plastic Pipe and Fittings for Underground Fire Protection Service.

All required marking must be permanent, legible and visible after manufacture. Markings consist of the WHI Certification Mark and the markings required by the relevant standard(s).

Party(s) Authorized by Manufacturer To Apply Mark:

Nungwon Metal Industrial Co., Ltd (mfg)
314-1 Doha-ri Eunhyun-myeon
Yangju-City, Gyeonggi-Do, , South Korea 482-860
Lee Seong-Bae/Kim Tae-Hong
82-31-863-8791
82-31-863-8794
greg0102@hanmail.net/kth7979@hanmail.net

Party(s) Authorized by Other Parties To Apply Mark:

None