PEERLESS INDUSTRIAL GROUP
Your Link to Quality, Strength, and Service Since 1917.
PEERLESS · ACCO · JEANNETTE · WEISSENFELS USA

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# CERTIFICATE OF COMPLIANCE

**WE CERTIFY THE MATERIAL LISTED BELOW AS FOLLOWS:**

1. **Analysis samples of the chain products designed or intended primarily for children 12 years of age or younger identified below are in compliance with the total lead and ASTM F963-07 soluble metals criteria required by the CPSIA of 2008 (Consumer Products Safety Improvement Act – 2008).**
2. **Each sample was prepared for soluble metals according to ASTM F963-07, Standard Consumer Safety Specification for Toy Safety, Section 8.3, "Method to Dissolve Matter".**
3. **The product is manufactured by Peerless Chain Company, Winona, MN. In 2011 - 2012.**
4. **Analytical records are achieved and maintained under the direction of Stork-Twin City Testing's Quality Manager according to the Stork – TCT Quality Manual.**
5. **Sample testing for compliance has been conducted at Stork Twin City Testing Corporation, 662 Cromwell Avenue, St. Paul, MN. 55114. The samples were analyzed between October 11 & 27, 2011.**
6. **Stork Twin City Testing Corporation CPSC identification # 1078.**

Actual Chain test results

| Analysis | Electrodepositio n Zinc, clear | Silver Shield Mech. Plate | HDG Hot Dip Galvanized Zinc | Maximum Allowable Limit |
|---|---|---|---|---|
| Total Lead, ppm | <50 | <50 | 130 | 100 |
| Soluble Antimony (Sb), ppm | <20 | <20 | <20 | 60 |
| Soluble Arsenic (As), ppm | <20 | <20 | <20 | 25 |
| Soluble Barium (Ba), ppm | <20 | <20 | <20 | 1000 |
| Soluble Cadmium (Cd), ppm | <20 | <20 | <20 | 75 |
| Soluble Chromium (Cr), ppm | <20 | <20 | <20 | 60 |
| Soluble Lead (Pb), ppm | <20 | <20 | 20 | 90 |
| Soluble Mercury (Hg), ppm | <20 | <20 | <20 | 60 |
| Soluble Selenium (Se), ppm | <20 | <20 | <20 | 500 |

AND WILL CONFORM WITH ALL APPLICABLE SPECIFICATION REQUIREMENTS.
IMPORTANT: THE DEFINITIONS, INSTRUCTIONS AND CAUTIONS GOVERNING THE PURCHASE AND USE OF CHAIN FOUND ON PAGE 2 OF THIS DOCUMENT ARE CONSIDERED A PART OF THIS CERTIFICATE OF COMPLIANCE.

**Peerless Chain Company**

by *Gary Lind*

Gary Lind

Quality Assurance Manager

## DEFINITIONS, INSTRUCTIONS AND CAUTIONS GOVERNING THE PURCHASE AND USE OF CHAIN

Approved by National Association of Chain Manufacturers

Working Load Limit (WLL)

The "Working Load Limit" (rated capacity) is the maximum load that shall be applied in direct tension to an undamaged straight length of chain.

Proof Test

The "Proof Test" (manufacturing test force) is a term designating the minimum tensile force which has been applied to a chain under a constantly increasing force in direct tension during the manufacturing process. These loads are manufacturing integrity tests and **shall not** be used as criteria for service or design purposes.

Minimum Breaking Force

The "Minimum Breaking Force" is the minimum force at which the chain during manufacture has been found by testing to break when a constantly increasing force is applied in direct tension. Breaking force values are not guarantees that all chain segments will endure these loads. This test is a manufacturer's attribute acceptance test and **shall not** be used as a criterion for service or design purposes.

Overhead Lifting

That process of lifting that would elevate a freely suspended load to such a position that dropping the load would present a possibility of bodily injury or property damage.

Overload

Any static or dynamic load in excess of the "Working Load Limit".

Instructions Regarding Attachments

Where attachments, such as hooks or rings, are designed for use with chain in sustaining loads, care should be taken to select the attachments of the type, grade and size recommended for use with the type, grade and size chain with which such attachments are to be used.
When this is to be done the "working load limit" of such chain, in the sense that the term is defined above, will apply to the chain and attachments thereon when used together. When chain and attachments thereon are used together, it is impossible to state what load will be sustained if the attachments are not of the type, grade and size recommended for use with a particular type, grade and size of chain used.

Cautions

For overhead lifting applications, only Grade 80 or 100 alloy chain should be used.

The use of chain is subject to certain hazards that cannot be met by mechanical means, but only by the exercise of intelligence, care and common sense. Serious hazards are: overloading, dropping or slipping of the load caused by improper rigging, obstruction to free passage of the load, bending or twisting chain links or attachments, acceleration in the rate of application of the load, or shock loading, and the use of damaged chain. Any such abuse or misuse may cause injury or property damage for which the manufacturer accepts no liability. The terms "Working Load Limit", "Proof Test", and "Minimum Breaking Force" contain no implication of what load the chain will withstand if chain is used in such conditions of abuse and misuse.

All chains should be inspected periodically and prior to use for wear, elongated or distorted links, nicks, gouges, cracks, and suitability for the application. When defects or deterioration are present, the chain should be removed from service. Excessive high or low temperatures or exposure to chemically active environments such as acids or corrosive liquids or fumes can reduce the performance of the chain.

Under no conditions permit loads to be transported or suspended over people.

Manufacturers do not accept any liability for injury or damage which may result from dynamic or static loads in excess of the Working Load Limit, use of chain in a manner contrary to the manufacturer's instructions or recommendations, or the abuse or misuse of chain as described above.

All the "cautions" above set forth apply not only to the use of chain, but also to the use of attachments thereon.

Chains should not be used outside of the –40 °F to 400 °F temperature range without consulting the chain manufacturer.

This certifies that the above Definitions, Instructions and Cautions are in accordance with the NATIONAL ASSOCIATION OF CHAIN MANUFACTURERS Welded Steel Chain Specifications.

NACM
NATIONAL ASSOCIATION OF CHAIN MANUFACTURERS