

## PRODUCT COMPLIANCE CERTIFICATE

### Professional Claw Hammer 16oz

**Certificate Number: CERT-83829**

**Issue Date: 2024-08-12**

**Valid Until: 2027-07-22**

## PRODUCT INFORMATION

**Product Name:** Professional Claw Hammer 16oz  
**Model/SKU:** HTHM001600  
**Manufacturer:** Zava Hardware & Garden Supply  
**Manufacturing Date:** 2025-05-13  
**Batch/Lot Number:** LOT-926647

## COMPLIANCE STANDARDS

### Safety Standards

**ZAVA HARDWARE & GARDEN SUPPLY**

#### COMPLIANCE CERTIFICATE

**Product Name:** Professional Claw Hammer 16oz  
**SKU:** HTHM001600  
**Product Category:** HAND TOOLS  
**Date of Issue:** 2024-06-15

### 1. Safety Standards Compliance

The Zava Professional Claw Hammer 16oz has been independently tested and found to be in full compliance with the following safety standards:

- **ANSI/ISEA 107-2019:** Hand Tool Impact Resistance
- **EN 13385:2002:** Hand-held Tools – Safety Requirements
- **OSHA 1910 Subpart P:** Hand and Portable Powered Tools and Equipment
- **ISO 5742:2020:** General Safety for Hand Tools
- **ZAVA SafeHandle™ Grip Standard (ZSH-21):** Enhanced anti-slip grip and vibration reduction

## 2. Performance Standards Compliance

The product meets or exceeds the following performance standards:

- ■ **\*\*ASTM F1505-20:\*\*** Performance of Hand Tools for Professional Use
- ■ **\*\*CSA Z94.1-20:\*\*** Durability and Longevity for Construction Tools
- ■ **\*\*ZAVA ProBalance™ Weight Distribution Protocol:\*\*** Optimized balance for reduced fatigue

## 3. Environmental Standards Compliance

- ■ **\*\*ISO 14021:2016:\*\*** Self-Declared Environmental Claims (Type II Environmental Labeling)
- ■ **\*\*RoHS Directive 2011/65/EU:\*\*** Restriction of Hazardous Substances
- ■ **\*\*ZAVA GreenSteel™ Certification:\*\*** 88% recycled steel content in hammer head
- ■ **\*\*ECO-GRIP™ Handle:\*\*** 100% recyclable thermoplastic elastomer, non-toxic

## 4. Test Results

### **Impact Resistance:**

- Passed ANSI/ISEA 107-2019: Withstood 25 consecutive impacts at 5.5 Joules with no structural deformation.

### **Handle Pull Test:**

- Exceeds EN 13385:2002: Withstood pull force of 1,200 N (standard: 900 N), no detachment or cracks observed.

### **Corrosion Resistance:**

- 96-hour salt spray (ASTM B117): No visible corrosion on steel head or handle interface.

### **Grip Friction Coefficient:**

- Measured static coefficient: 0.82 (industry minimum: 0.65)

### **Recycled Content Verification:**

- Metallurgical analysis: 88.2% recycled steel by mass (head), 100% recyclable polymer (handle).

## 5. Testing Laboratory

All tests were conducted at:

### **North American Tool Compliance Laboratories (NATCL)**

ISO/IEC 17025:2017 Accredited Facility

Cleveland, OH, USA

## 6. Certifier

Certified by:

**Dr. Elaine M. Farraday, C.H.S.P., C.E.A.**

Chief Compliance Officer

North American Tool Compliance Laboratories

## 7. License Number

**NATCL-ZHGS-HTHM001600-2024**

**This certificate affirms the Professional Claw Hammer 16oz (SKU: HTHM001600) from Zava Hardware & Garden Supply meets or exceeds all applicable safety, performance, and environmental standards as detailed above, including Zava-specific enhancements for user safety and sustainability.**

**Zava Hardware & Garden Supply**  
www.zavahardware.com  
Customer Service: 1-800-ZAVA-HQ

## Performance Standards

Generated performance standards...

## Environmental Standards

Generated environmental standards...

## TEST RESULTS

Generated test results...

## CERTIFYING AUTHORITY

**Laboratory:** Zava Advanced Materials Laboratory  
**Certificate Issued By:** Dr. Marina Coastwell, P.E., Zava Chief Materials Scientist  
**Signature:** [Digital Signature]  
**License Number:** ZAV-LAB-1001

## VALIDITY

This certificate is valid for products manufactured between 2025-01-23 and 2027-01-18.  
Subject to periodic surveillance audits.

*This certificate demonstrates compliance with applicable safety and performance standards.*