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Quality Control Department: H&N ELECTRONICS

P. O. #: Verbal Harold 07/06/16  
 INVOICE #: 1607038  
 KAPP PN: 121-03101  
 BATCH: SZ1012151- NO EXPIRATION

ALLOY: KappAloy9™ - 91Sn/9Zn  
 UNIFIED #: L91090  
 DIA.: .031" / .8 mm

**Certificate of Conformance**

ELEMENTS:		Analysis RESULTS %/WEIGHT	Specifications UNIFIED NO.:
Tin	(Sn)	Balance	L91090 90 - 92
Antimony	(Sb)	.0069	.0250 <i>max.</i>
Copper	(Cu)	.0020	.0050 <i>max.</i>
Lead	(Pb)	.0087	.0300 <i>max.</i>
Aluminum	(Al)	ND	.0070 <i>max.</i>
Arsenic	(As)	.0040	.0300 <i>max.</i>
Cadmium	(Cd)	.0007	.0050 <i>max.</i>
Zinc	(Zn)	8.8839	8 - 10 <i>max.</i>
Bismuth	(Bi)	.0093	.0300 <i>max.</i>
Iron	(Fe)	.0007	.0040 <i>max.</i>
Nickel	(Ni)	.0016	.0100 <i>max.</i>
Silver	(Ag)	.0053	.0500 <i>max.</i>

This alloy complies with NSF International NSF/ANSI Standard 372: Drinking Water System Components – Lead Content. Product also complies to NSF/ANSI 61, Annex G and conforms with Lead content requirements for "Lead-free" plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act in effect as of January 4, 2014. Weighted average lead content < 0.25%; Solder and flux lead content < 0.20%.

This alloy complies with the European RoHS and REACH directives. No lead, cadmium or mercury used in production.

100% OF THIS MATERIAL MADE IN U.S.A.

Signature: *Jonathan D. Crawford*  
 Jonathan D. Crawford, President

Date: July 19, 2016