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Quality Control Department: H&N ELECTRONICS

P. O. #: Verbal Harold 081720
 INVOICE #: 2008064
 KAPP PN: 121-03101
 BATCH: VP0518201 - NO EXPIRATION

ALLOY: KappAloy9™ - 91Sn/9Zn
 UNIFIED #: L91090
 DIA.: .031" / .8 mm 1 # SPOOLS

Certificate of Conformance

ELEMENTS:	Analysis RESULTS %/WEIGHT	Specifications UNIFIED NO.:
Tin (Sn)	Balance	L91090 90 - 92
Antimony (Sb)	.0078	.0250 <i>max.</i>
Copper (Cu)	.0020	.0050 <i>max.</i>
Lead (Pb)	.0078	.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)	8.9777	8 - 10 <i>max.</i>
Bismuth (Bi)	.0073	.0300 <i>max.</i>
Iron (Fe)	.0007	.0040 <i>max.</i>
Nickel (Ni)	.0010	.0100 <i>max.</i>
Silver (Ag)	.0013	.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: 28 AUG 2020