NIPPON MICROMETAL CORPORATION PHILIPPINES

First Philippine Industrial Park Brgy. Sta. Anastacia, Sto. Tomas, Batangas 4234 Philippines TEL:63-43-4057241 to 45

Inspection Certificate

of Copper Bonding Wire

Report No.: C239638 September 27,2023

ATX Semiconductor (Kunshan) Co., Ltd. 1. Customer:

2. Order No.: 4800085925

Start tape color: Green 3. Lot No. : 390SS End tape color: Red 4. Quantity: 2,000m

5. Product Specifications

Commodity	Specification	Diameter	Length	Spool
1-CW-01-0000047	EX1p plus	0.8MIL(S)	2,000m	WN-8

6. Chemical Analysis

6-1.Concentration of Pd (unit;wt%) 6-2.Purity of core Cu (unit;wt%) 6-3.Concentration of Au (unit;wt%)

Element	Pd	Element	Cu	Element	Au
Specification	1.0≦,≦1.8	Specification	≧99.99	Specification	0.02≦,,≦0.18
Concentration	1.5	Concentration	99.99	Concentration	0.08

6-4. Impurity in core Cu

(unit;ppm)

Element	Ag	Ni	As	Cd	Cr
Specification	≦25	≦5	≦1	≦0.1	≦1
Concentration	0.1	0.002	< 0.01	< 0.01	0.002

7. Mechanical Property(Room Temp.)

No.	Breaking Load (g)	Elongation (%)	Diameter (mil)	Refere	nce
Specification	$4.8 \sim 9.8$	8.0 ~14.0	0.71 ~0.79	Gauge Length	100mm
1	7.0	11.7	0.75	Drawing speed	40mm/min
2	6.9	11.2	0.74		
3	7.0	11.9	0.74		
4	7.0	11.3	0.74		
5	7.0	11.5	0.74		
AVG	6.98	11.52	0.742		
R	0.1	0.7	-		

8. MG Value	(mg/200mm)
MG Value	0.51
Specification	$0.46 \sim 0.56$

9.Manufacturing Date	10.Expiration date	
2023/08/30	2024/02/25	

11.Packing

Individual packing formula: Pass

The product is enclosed with the barrier bag.

Declaration: Our company hereby warrants and guarantees that all of products delivered to ASE company are free from any of hazardous substances which is banned immediately.

NIPPON MICROMETAL CORPORATION hereby certifies that the above product has been manufactured under proper condition and passed in conformance with company standard.

Authorized Signature Quality Assurance Section