



Grandview Materials Inc.

8598 Cotter Street
Lewis Center, Ohio 43035, USA
sales@grandviewmaterials.com
Phone: (614) 488-6998 Fax: (614) 467-3000

CERTIFICATE OF ANALYSIS

FOR

TANTALUM WIRE

P/O No.: xxxx78	SIZE: .045" Dia x 1,200"L
LOT No.: HTA 11305229	QUANTITY: 1 PIECE(S)
SPECIFICATION: ASTM F 560 R05200	TEMPER: UNANNEALED

1. CHEMICAL ANALYSIS (% WT)

C	0.0032	Ni	0.0025
N	0.0026	Si	0.0030
O	0.0098	Ti	0.0008
H	0.0015	W	0.0060
Fe	0.0032	Nb	0.0280
Mo	0.0027	Ta	REMAINDER

2. TOLERANCES

DIAMETER (.045") DEVIATION	± 0.0005"
LENGTH (1,200") DEVIATION	+0.10"/-0.00"

3. MECHANICAL PROPERTIES

TENSILE STRENGTH (kdi) min	36
YIELD STRENGTH (kdi) min	28
ELONGATION (%) min	27

WE HEREBY CERTIFY THAT THE ABOVE PRODUCT IS CONFORMING TO THE SPECIFICATIONS, AND THERE IS NO MATERIAL ORIGINATED FROM DRC OR ADJOINING COUNTRIES IN AFRICA.