



Metal Wire Specification: TIW-W5E-003/Rev. 2

Date of revision: October 12th, 2016

Revision: 2

Date of previous revision: November 7th, 2016

1. Product designation

Ti-6Al-4V Eli wire

2. Chemical composition

Element	Target(wt.%)	Minimum(wt.%)	Maximum(wt.%)
Oxygen (O)	-	-	0.070
Nitrogen (N)	-	-	0.012
Carbon (C)	-	-	0.03
Hydrogen (H)	-	-	0.005
Iron (Fe)	0.20	0.18	0.25
Aluminium (Al)	6.40	6.30	6.50
Vanadium (V)	4.00	3.50	4.50
Tin (Sn)	-	-	0.08
Molybdenum (Mo)	-	-	0.08
Copper (Cu)	-	-	0.08
Manganese (Mn)	-	-	0.08
Zirconium (Zr)	-	-	0.08
Yttrium (Y)	-	-	0.005
Zinc (Zn)	-	-	0.002
Other elements, each	-	-	0.08
Other elements, total	-	-	0.20
Titanium (Ti)	Balance	Balance	Balance
Zn + Mo + Cu + Mn	-	-	0.15

Chemical analysis of the wire shall be done according to the requirements of ASTM B 348 or equivalent ASTM

