



Metal Wire Specification: TIW-W2E-005/Rev. 3

Date of revision: Dec. 12th, 2016

Revision: 3

Date of previous revision: Dec. 19th, 2016

1. Product designation

Grade 1 & Grade 2 wire

2. Chemical composition

Element	Gr.1 (wt.%)	Gr.2 (wt.%)	Testing Method
Oxygen (O)	0.10-0.18	0.18-0.25	ASTM E1409
Nitrogen (N)	0.02	0.02	ASTM E1409
Carbon (C)	0.02	0.02	ASTM E1941
Hydrogen (H)	0.01	0.01	ASTM E1447
Iron (Fe)	0.05-0.30	0.05-0.30	ASTM E2371
Other elements, each	0.1	0.1	ASTM E2371
Other elements, total	0.4	0.4	ASTM E2371
Titanium (Ti)	Balance	Balance	ASTM E2371

Chemical analysis of the wire shall be done according to the requirements of ASTM B348, ASTM F67, ASTM F1580 and

