

Jiande City Hengshan Tungsten Industry Co., Ltd

Shouchang Zhen, Jiande, Hangzhou, Zhejiang

Certificate of Quality

Customer: INTERA LTD(KOMMUNALNIY STREET, 4 KAMENSK-SHAHTINSKIJ, 347805 RUSSIA)										Invoice №00006804			
Product: Tungsten Electrode For TIG Welding							Total Quantity: 2800PCS						
Date of Production: 2018, October 20 th (5-8days)							Lot NO.:20181020						
1) CHEMICAL COMPOSITIONS													
WC20 (1.80%-2.20%) Ceriated tungsten , grey color tip													
W(%)	CeO ₂ (%)	O(%)	Fe(%)	N (%)	C (%)	Si(%)	Al(%)	Ca (%)	Ni (%)	S (%)	Mo (%)	Zn (%)	Mg(%)
97.9	2	0.003	0.004	0.001	0.003	0.001	0.002	0.004	0.001	0.001	0.0005	0.0005	0.001
WL20 (1.80%-2.20%) Lanthanated tungsten , blue color tip													
W(%)	La ₂ O ₃ (%)	O(%)	Fe(%)	N (%)	C (%)	Si(%)	Al(%)	Ca (%)	Ni (%)	S (%)	Mo (%)	Zn (%)	Mg(%)
98	2.0	0.003	0.004	0.001	0.003	0.001	0.002	0.004	0.001	0.001	0.0005	0.0005	0.001
2) APPEARANCE AND SIZE (QUANTITY CHECKED : ALL ELECTRODES)													
QUALIFIED RATE OF INSPECTION													
DIAMETER		LENGTH		SURFACE			STRAIGHTNESS			CRACK DETECTION			
100%		100%		GROUND FINISH			100%			100%			
3) TOLERANCE OF SIZE													
RESULTS		DIAMETER					LENGTH						
MAX.		(+0.03)mm					(+0.5)mm						
MIN.		(-0.03)mm					(-0.5)mm						
4) STRENGTH (DROP TESTING): PASS													
5) RESULT OF EXAMINATION : CONFORM TO STANDARD ISO6848-2004E & AWS 5.12-98													
PERSON-IN-CHARGE OF QUALITY EXAMINATION:													

