

## QUALITY CERTIFICATION

NO.:20081007

Client	SWP	Date of Delivery	Oct.15, 2008
Products	ER70S-6(0.8mm*15kg)	Batch No.	530075
Date of Production	Oct., 2008	Date of Test	Oct.12,2008

Chemical Component of Final Production(%)										External Dimension	Surface Quality
Component	C	Si	Mn	P	S	Cr	Ni	Mo	Cu		
Standard	0.06-0.15	0.80-1.15	1.40-1.85	Max. 0.025	Max. 0.035	-	-	-	Max. 0.50	pass	pass
test	0.08	0.84	1.78	0.010	0.011	-	-	-	0.22	PASS	PASS

Test of Mechanical Property				
Yield Strength $\sigma_{0.2}$ (MPa)	Tensile Strength $\sigma_b$ (MPa)	Percentage Elongation $\delta_5$ (%)	impact value (J)	Test Temperature (°C)
457	560	30	67	-29