CIS
Consulting Inspection Services

UG-10 MATERIAL SPECIFICATION COMPARISON CHECKLIST

	Edition + Addenda	Material Specification /Standard	Grade, Type, Class		Tensile Strength (MPa)	Yield Strength (MPa)	Elongation (%)	Reduction of Area (%)	Number of tensile tests	Melting Process	Manufacturing Process	Deoxidation	Heat treatment – Temp	Bend Test	Corrosion Test	Specimen orientation	Test Method	Grain Size				Tube - Pipe					
																						Flattening Test	Flaring Test	Flange Test	Hydrostatic Test	NDE: ET - UT	
Other				Min																							
				Max																							
ASME				Min																							
				Max																							
Actual	Heat N° - Marking:																										

	Chemical Properties																						Heat Treatment Method			Hardness	Impact Test Min Joule at Temp	
	C	Mn	P	S	Si	Ni	Cr	Mo	Nb	V	N	Al	Ti	Cu										Time	°C			
Other																											J	°C
ASME																											J	°C
Actual																											J	°C

Remarks:	Date: Sign:	Review Authorized Inspector: Date: Sign: