MATERIAL-COMPARISON-LIST

Comparison between **ASME Material** and another **Material Specification** and **actual Material** to be used

																							For Tube or Pipe				
Item	Material Specification or Standard	Material Grade Type Class	Edition Addenda	Tensile Strength [MPa]	Yield Strength [MPa]	Elongation [%] Lo	Reduction of A [%]	Melting Method	Melting Practice	Manufacturers Process	Desoxidation	Bend Test	Corrosion Test (Stainless Steel only)	Supplementary Tests	Number of Tests	Specimen Orientation	SA-370 Test-Method	Dimension Tolerances	Marking of Material	Note: Recertified acc. UG-10	Grain Size	Flattening test	Flaring Test	Flange Test	Hydrostatic Test	ET - Eddy Current Test UT - Ultrasonic Test
Actual Results	MTR or CMTR No. / Designation :		Date (MTR)																								

CHEMICAL ANALYSES

N = normalized
HR = hot rolled
A = annealed
QT = quenched & tempered

item	C	Si	Mn	P	S	Cr	Mo	Ni	V	Al	Nb	Ti	Cu	N		Heat Treatment Temperature [°C]	Hardness Test Brinel, Rockwell, Vickers	Impact Test [Joule] at [°C]	Specimen Type (Charpy-V ; ISO-V ; other)
																		min [J] at [°C]	
																		min [J] at [°C]	
Actual Results																		min [J] at [°C]	

LEGEND:

+ Requirement fulfilled
- Requirement not fulfilled
NR Not required
NA Not applicable

REMARKS:

Verification by AUTHORIZED INSPECTOR:

Date:

Sign:

(c) ONE/TÜV/BV