QAP - Seamless Pipe (Sample)								
CLIENT NAME					ITEM DETAIL			
PO NO & DATE					SIZE & CLASS			
DOCUMENT NO					GGL SPECIFICATION NO			
REV NO & DATE					PROJECT NAME			
SR. NO.	**COMPONENT/PART AND OPERATIONS**	**TYPE OF CHECK**	**QUANTUM OF CHECK**	**REFERENCE STANDARD/DOCUMENT**	**ACCEPTANCE CRITERIA/VALUES**	**FORMAT OF RECORDS**	**MFG./ Vendor**	**TPIA/ CLIENT**
1	**Raw Material**							
1.1	Raw Material Identification/verification	Chemical Composition (Carbon Equivalent ≤ 0.4) Verification with Mill TC	Each Heat	GGL Technical Specification/MoC	GGL Technical Specification/MoC	MTC/Mill TC	P	R
2	**In Process Inspection**							
2.1	Inspection & Identification of incoming material	Marking on pipes as per MTC	Each Heat	GGL Technical Specification/MoC	GGL Technical Specification/MoC	Inspection Report/3.1 Certificate	P	R
2.2	Chemical Analysis	Chemical Composition (Carbon Equivalent ≤ 0.4)	One Sample/Heat	GGL Technical Specification/MoC	GGL Technical Specification/MoC	Lab. Report/3.1 Certificate	P	R
2.3	Mechanical Testing	1. Tensile Test 2. Hardness Test 3. Micro Test 4. Impact Test 5. Flattening Test	One Sample/Heat	GGL Technical Specification/MoC	GGL Technical Specification/MoC	Lab. Report/3.2 Certificate	P	W
2.4	Leak Test	Hydrostatic Test	100%	GGL Technical Specification/MoC	GGL Technical Specification/MoC	MTC/Mill TC	P	R
2.5	NDT	MPT, DPT of bevel ends	100%	GGL Technical Specification/MoC	GGL Technical Specification/MoC	MTC/Mill TC	P	R
2.6		UR or Eddy Current Test	100%	GGL Technical Specification/MoC	GGL Technical Specification/MoC	MTC/Mill TC	P	R
3	**Final Inspection**							
3.1	Dimensions	Length, Diameter, Weight, Wall Thickness, End Type	100%	GGL Technical Specification/MoC	GGL Technical Specification/MoC	Inspection Report/3.2 Certificate	P	W
3.2	Visual Check	Free from defects	100%	GGL Technical Specification/MoC	GGL Technical Specification/MoC	Inspection Report/3.2 Certificate	P	W

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3.3	Marking & Tagging	Product marking & tagging	100%	GGL Technical Specification/MoC	GGL Technical Specification/MoC	Inspection Report/3.2 Certificate	P	RW
3.4	Documentation	Review of Test Certificates & Supporting Documents	100%	GGL Technical Specification/MoC/QAP	GGL Technical Specification/MoC/QAP	Compliance Certificate/Report	P	R
3.5		Inspection Release Note	100%	-	-	IRN 3.2	P	H

P-Perform, R-Review, W-Witness, H-Hold

Notes

1 TPIA shall issue 3.2 certificate as per EN 10204.

2 Above QAP covers requirement with reference to GGL specification, hence same shall be referred in conjunction with GGL valve specification/Data Sheet.

3 All measuring instruments/equipments shall be duly calibrated and shall have valid calibration certificates. Same shall be reviewed by TPIA.