


PPINOX

Certificate No.: SCPL3612
Annex - 1

Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input type="checkbox"/> EN 764-4	<input checked="" type="checkbox"/> AD 2000-Merkblatt W0	<input type="checkbox"/> Regulation (EU) No. 305/2011 (System 2+)							
Manufacturer			Work		Nationality	Date	Page No..					
Company Name: PPINOX					India	12.07.2023 Rev.: 0	1	Sigma Certification Pty Ltd				
		of : 4										
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max 1=t / 2=kg <input type="checkbox"/> result	Technical Specifications Requirements Technical Regulations	Remarks	
					Thick- ness mm		OD-Outer Diameter mm					
					from m	Up to	from	Up to				
1	2	3	4	5	6a	6b	7a	7	8a	8b	9	10
1. Materials according to harmonized European standards (hEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU												
The use of the materials according to Directive 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.												
1	1.4462	EN 10216-5	AT	Seamless Pipe/Tubes U Tubes	0.5	20.0	6.0	88.9				
Remarks	+AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed			+NT = normalized and +QT = tempered quenched +S = and tempered soft +SR = annealed stress relieved			a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary					



SIGMA CERTIFICATION PTY LTD


33, ROOKWOOD AVENUE, COOPERS PLAINS,
 QUEENSLAND 4108, AUSTRALIA

E-mail: info@sigma-au.com Web: www.sigma-au.com



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Annex – 2

Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input type="checkbox"/> EN 764-4		<input checked="" type="checkbox"/> AD 2000- Merkblatt W0		<input type="checkbox"/> Regulation (EU) No. 305/2011 (System 2+)				
Manufacturer				Work				Nationality	Date	Page	
Company Name: PPINOX								India	12.07.2023 Rev.: 0	2	Sigma Certification Pty Ltd
										of : 4	
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max 1=t / 2=kg <input type="checkbox"/> result	Technical Specifications Requirements Technical Regulations	Remarks
					Thick-ness mm		OD-Outer Diameter mm				
					from	Up to	from	Up to			
1	2	3	4	5	6a	6b	7a	7b	8a 8b	9	10
2. Materials according to the AD 2000-Code											
The use of the materials according to DGR 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.											
2	1.4301, 1.4307, 1.4404, 1.4948, 1.4401, 1.4571, 1.4541, 1.4550	EN 10216-5	AT	Seamless Pipe/Tubes U Tubes	0.5	20.0	6.0	88.9		AD 2000 W2	
Remarks	+AT = solution annealed		+NT = normalized and tempered						a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary		
	+AR = as rolled		+QT = quenched and tempered soft								
	+M = thermo mechanical treated		+S = annealed								
	+N = normalized or normalizing		+SR = stress relieved								



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Annex – 3

Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input type="checkbox"/> EN 764-4				<input checked="" type="checkbox"/> AD 2000-Merkblatt W0		<input type="checkbox"/> Regulation (EU) No. 305/2011 (System 2+)			
Manufacturer				Work				Nationality	Date	Page		
Company Name: PPINOX								India	12.07.2023 Rev.: 0	3		
								of : 4		Sigma Certification Pty Ltd		
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max 1=t / 2=kg <input type="checkbox"/> result	Technical Specifications Requirements Technical Regulations	Remarks	
					Thick- ness mm		OD-Outer Diameter mm					
					from m	Up to 6b	from m	Up to 7b				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
3. Materials according to international standards (e. g. ASTM, ASME, IBR etc.)												
The use of the materials according to DGR 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.												
3	TP304, TP304L, TP316, TP316L, TP317, TP317L, TP316Ti, TP321, TP347, TP 347H	ASTM A 312 /213	AT	Seamless Pipe/Tubes U Tubes	0.5	20.0	6.0	88.9			ASTM A 312 /213	PMA for the use in pressure equipment in Directive 2014/68/EU necessary 
4	TP304, TP304L, TP316, TP316L, TP321	ASTM A 269	AT									
5	S 32750, S 32760	ASTM A 789/ A790	AT									
Results		+AT = solution annealed		+NT = normalized and tempered		a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary						
		+AR = as rolled		+QT = quenched and tempered								
		+M = thermo mechanical treated		+S = soft annealed								
		+N = normalized or normalizing formed		+SR = stress relieved								



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Annex - 4

Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3		<input type="checkbox"/> EN 764-4		<input checked="" type="checkbox"/> AD 2000-Merkblatt W0		<input type="checkbox"/> Regulation (EU) No. 305/2011(System 2+)					
Manufacturer				Work				Nationality		Date		Page No..	
Company Name: PPINOX								India		12.07.2023 Rev.: 0		4	
										of : 4		Sigma Certification Pty Ltd	
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weig ht	Technical Specifications	Remarks		
					Thick- ness mm		OD-Outer Diameter mm					max 1=t / 2=kg	
					fro m 6a	Up to 6b	from 7a	Up to 7b	<input type="checkbox"/> res ult 8a 8b				
1	2	3	4	5	6a	6b	7a	7b	8a 8b	9	10		
3. Materials according to international standards (e. g. ASTM, ASME, IBR etc.) The use of the materials according to DGR 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.													
6	WP304,WP304L,WP316 WP316L,WP321,WP310 WP317L	ASTM A 403	AT	Pipe Fittings	1.5	25.4	6.35	609.6			ASME B 16.9	PMA for the use in pressure equipment in Directive 2014/68/EU necessary	
7	WPS31803,WPS32205 WPS32750, WPS32760	ASTM A 815	AT								ASME B 16.9		
8													
Results		+A = solution annealed		+NT = normalized and tempered		a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary							
		T = as rolled		+QT = quenched and tempered									
		+A = thermo mechanical		+S = soft annealed									
		R treated		+SR = stress relieved									



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