

Certificate

Quality-Assurance System for Manufacturer of Materials acc. to Directive 2014/68/EU

Certificate no.: 01 202 IND/Q-15-0036

Name and address of the
manufacturer:

**Tubacex Prakash India Pvt Ltd
Survey No.131/1 Umbergaon-Sanjan Road.
Umbergaon, Dist-Valsad, Gujarat-396171.**

Herewith we certify that the material manufacturer has established and applies a Quality Management System. The system was audited according to the European Directive 2014/68/EU, Annex I, Par. 4.3, with regard to the materials as listed in the scope of approval.

Tested acc. to
Directive 2014/68/EU:

**QM System acc. to EN 764-5, article 4.2 and
AD 2000-Merkblatt W0**

Audit report no.:

IND/Q-15-0036

Area of validity:

Manufacturer of Austenitic, Martensitic, Ferritic, Duplex & Super Duplex Stainless Steel Seamless Mother Hollows, Pipes and Tubes & U bend Tubes, see annex to certificate

Manufacturing plant:

Tubacex Prakash India Pvt Ltd
Survey No.131/1 Umbergaon-Sanjan Road.
Umbergaon, Dist-Valsad, Gujarat-396171.

Valid until:

December 31, 2021

Cologne, April 12, 2019


Dipl.-Ing. (FH) Roman Alexander Meyers




TÜV Rheinland Industrie Service GmbH
Notifizierte Stelle für Druckgeräte, Kennnummer: 0035
Am Grauen Stein, D-51105 Köln

E-008-D-Rev22


Annex to Certificate No. : 01 202 IND/Q-15 0036

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"/> FPC, Regulation (EU) No. 305/2011(System 2+)								
Manufacturer		Work		Nationality	Date	Page No..						
Company Name: Tubacex Prakash India Pvt Ltd.		Survey No.131/1 Umbergaon-Sanjan Road. Umbergaon, Dist-Valsad, Gujarat-396171		India	13-12-2018	1	TÜV Rheinland Industrie Service GmbH					
Location: Umbergaon					Rev.: 0	of : 4						
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max		Technical Specifications Requirements Technical Regulations	Remarks
					Thick-ness mm		Ø Mm		1=t / 2=kg	res ult		
					from	U p to	from	Up to				
1	2	3	4	5	6a	6 b	7a	7b	8a	8b	9	10
1. 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.												
1	1.4301 – X5CrNi 18-10	EN 10216-5	+AT	Seamless Stainless Steel Tubes & Pipes	0.75	20	6	219.1	-	-	W2, W10	Material grades in W10 shall be supply with impact (+20 deg.) only 
2	1.4307 – X2CrNi 18-9								W2			
3	1.4401 – X5CrNiMo 17-22-2								W2, W10			
4	1.4404 – X2CrNiMo 17-12-2								W2, W10			
5	1.4541 – X6CrNiTi 18-10								W2, W10			
6	1.4571 – X6CrNiMoTi 17-12-2								W2, W10			
7	1.4462 – X2CrNiMoN 22-5-3								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									
+M = thermo mechanical treated			+S = soft annealed									
+N = normalized or normalizing formed			+SR = stress relieved									


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Manufacturer		Work		Nationality	Date	Page No..						
Company Name: Tubacex Prakash India Pvt Ltd.		Survey No.131/1 Umbergaon-Sanjan Road. Umbergaon, Dist-Valsad, Gujarat-396171		India	13-12-2018	2	TÜV Rheinland Industrie Service GmbH					
Location: Umbergaon					Rev.: 0	of : 4						
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max		Technical Specifications Requirements Technical Regulations	Remarks
					Thick-ness mm		Ø mm		1=t / 2=kg			
					from	Up to	from	Up to	↓	res ult		
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
2. 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.												
8	S31803, S32205, S32750	ASTMA789	+AT	Seamless Tubes	1.0	3.5	15	160	-	-		For ASTM Material PMA is Required 
9	TP 304/304L, 304H, TP316/316L, 316Ti, TP 321, TP 321H, TP 347/347H	ASTMA312	+AT	Seamless Pipes	1.24	20	10.3	219.1	-	-		
10	S31803, S32205, S32750	ASTMA790	+AT	Seamless Pipes Seamless Tubes	1.65	12.7	10.3	219.1				
11	TP 304/304L, TP316/316L, TP 321, TP 347	ASTMA269 / A213	+AT	Seamless Tubes	0.75	12.7	6.0	160				
12	TP410	ASTMA268	+AT		0.75	3.5	15	160				
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							
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Location: Umbergaon					Rev.: 0	of : 4						
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ res ult	Technical Specifications Requirements Technical Regulations	Remarks	
					Thick-ness mm		Ø mm					
					from	Up to	from	Up to				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
2. Materials according to international standards (e. g. ASTM, ASME, IBR etc.)												
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13	1.4301 – X5CrNi 18-10	EN 10297-2	+AT	Seamless Stainless Steel Tubes & Pipes	9.75	20	6	219.1	-	-	PMA is Required. 	
14	1.4307 – X2CrNi 18-9											
15	1.4401 – X5CrNiMo 17-22-2											
16	1.4404 – X2CrNiMo 17-12-2											
17	1.4541 – X6CrNiTi 18-10											
18	1.4571 – X6CrNiMoTi 17-12-2											
19	1.4462 – X2CrNiMoN 22-5-3											
20	1.4410 – X2CrNiMoN 25-7-14											
21	1.4878 – X8CrNiTi 18-10											
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									
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Location: Umbergaon					Rev.: 0	of : 4						
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					Thick-ness mm		Ø mm					
					from	Up to	from	Up to				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
3. 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 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.												
22	1.4410 – X2CrNiMoN 25-7-14	EN 10216-5	+AT	Seamless Stainless Steel Tubes & Pipes	0.75	20	6	219.1	-	-		
												
Results	+AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed			+NT = normalized and tempered +QT = quenched and tempered +S = soft annealed +SR = stress relieved			a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary					