

# Certificate

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

Certificate no.:

01 2627 IN/M1-240026.00

Name and address  
of the manufacturer:

**Rio Engineering India Private Ltd**  
**Office No. 15, 1 st Floor, Shreeji Plaza, Tata Road #2,**  
**Opera House, Mumbai 400004**  
**India**

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, point 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, Clause 4.2 and AD 2000-Merkblatt W0**

Assessment report no.:

IN/M1-230013 Rev. 0

Area of validity:

Manufacturer of Stainless Steel, Carbon Steel & Alloy Steel Pipes & Tubes , Butt weld & Socket weld Pipe Fittings, Flanges and Forgings, see Annex to certificate

Manufacturing plant:

**Rio Engineering India Private Ltd**  
**Survey No 78/2 & 85/4, Wavanje Village, Taloja,**  
**MIDC, Tal-Panvel, Dist. Raigarh, Navi Mumbai**  
**410208**  
**India**

Period of validity:

28.10.2024 – 27.10.2027





Zabrze, 28.10.2024

*Wojciech Szalek*  
Wojciech Szalek

TÜV Rheinland Polska Sp. z o.o.  
Certification Body for Material Manufacturers  
ul. Wolności 347, 41-800 Zabrze, Poland  
e-mail: post@pl.tuv.com



T6-MS-0038294 rev. 2

# Annex to Certificate no.: 01 2627 IN/M1-240026.00

Scope according to:		<input checked="" type="checkbox"/> Directive 2014/68/EU, Annex I, point 4.3				<input checked="" type="checkbox"/> AD 2000-Merkblatt W 0							
Manufacturer			Work			Country		Date		Page no.		TÜV Rheinland Polska Sp. z o.o.	
Company name: Rio Engineering Location: Office No. 15, 1st Floor, Shreeji Plaza, Tata Road #2, Opera House, Mumbai-400004			Survey No. 78/2 & 85/4, Wavanje Village, Taloja, MIDC, Tal -Panvel, Dist. Raigarh, Navi Mumbai 410208			India		28-10-2024		1 of 3			
								Rev.: [0]					
Pos.	Materials-term Materials-no.	Material specification	Delivery conditions	Article Type of Product	Dimensions				Weight max.		Technical specifications Requirements Technical regulations	Remarks	
					Thickness mm		Ø mm		1=t 2=kg ↓	result			
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10	
<b>1. Materials according to the AD 2000 Code</b> 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	1.4301,1.4401,1.4404, 1.4541,1.4571, 1.4307	EN 10222-5	AT	Forgings Flanges	2.10	68.3	12.7	1524			AD 2000 W 2,W9 W10		
					2.10	68.3	12.7	1524					
2	1.4301,1.4401,1.4404, 1.4541,1.4571, 1.4307	EN 10253-4	AT	Fittings	2.10	25.4	12.7	609.6			AD 2000 W2,W10 AD 2000 HP 8/3		
3	1.4301,1.4306,1.4307,1.4404 1.4401,1.4571,1.4541	EN 10217-7	AT	Welded Pipes & Tubes	0.8	25	6.0	610			AD 2000 W 2		



Remarks: +AT = solution annealed    +N = normalized or normalizing formed    +S = soft annealed  
 +AR = as rolled    +NT = normalized and tempered    +SR = stress relieved  
 +M = thermomechanical treated    +QT = quenched and tempered    A = PMA for the use in pressure equipment in Directive 2014/68/EU necessary    T7-MS-0038294 rev. 2

# Annex to Certificate no.: 01 2627 IN/M1-240026.00

Scope according to:		<input checked="" type="checkbox"/> Directive 2014/68/EU, Annex I, point 4.3				<input checked="" type="checkbox"/> AD 2000-Merkblatt W 0							
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								Rev.: [0]					
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					Thickness mm		Ø mm		1=t 2=kg ↓	result			
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10	
<b>2. Materials according to international standards (e.g. ASTM, ASME, IBR, etc.)</b> 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.													
4	WPB, WPC	ASTM A 234	N	Pipe Fittings	2.10	25.4	12.7	609.6				PMA for the use in pressure equipment in Directive 2014/68/EU necessary	
5	WP1,WP5,WP11,WP22,WP9,WP91	ASTM A 234	NT										
6	WP304, WP304L, WP 304H,WP321 WP316, WP316L, WP316H,WP317L WP310,WP347	ASTM A 403	AT										
7	WPS32205, WPS31803 WPS32750	ASTM A 815	AT	Welded Pipes & Tubes	0.8	25	6.0	610					
8	TP304, TP304L, TP 304H TP316, TP316L, TP 317L TP316Ti, TP321,TP 321H TP 310, TP 347	ASTM A 312	AT										

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1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10	
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9	F 304,F304L,F316,F316L,F321, F317L,F316Ti, F22,F51,F60	ASTM A 182	AT	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 5px;">           Flanges Fittings Forgings         </div>								PMA for the use in pressure equipment in Directive 2014/68/EU necessary  	
10	F1,F5,F9,F11,F12, F22,F91	ASTM A 182	NT		2.10	68.3	12.7	1524					
11	A 105	ASTM	N		2.10	25.4	12.7	609.6					
12	LF 2, LF 3	A 350	N		2.10	68.3	12.7	1524					

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