TÜVNORD

Certificate

TN/AD2000-W0/21367/24

Report No. / Manufacturer No. / Validity remark: 812 334 4215 / 21367 / 10.2024 - 10.2027

Material Manufacturer acc. to AD 2000-Merkblatt W 0

TÜV NORD Systems GmbH & Co. KG confirms that the manufacturer
RATNAMANI METALS & TUBES LTD.(SS PLANT-INDRAD WORKS),
Survey No.423, 423/1, 409, 412, 413, 414, 415, Ahmedabad-Mehsana Highway,
Village: Indrad, Taluka: Kadi, District: Mehsana - 382715,
Gujarat, India.

has been inspected and recognised as a material manufacturer in accordance with the requirements of the certification scheme TNS-W0_PED-4-3 acc. to AD 2000-Merkblatt W 0.

For details, see the report and the scope of the assessment.

The manufacturer has the following requirements:
- facilities for proper manufacturing and testing,
- appropriate processes for the manufacture of the products,
- skilled personnel for the manufacture and testing of the products and
- a quality management system with corresponding records that ensures proper manufacture of the products and compliance with the requirements specified in the material specification.

Essen, 27.11.2024

TÜVNORD Digital unterschrieben von Niekamp Dirk

Certification Body

TÜV NORD Systems GmbH & Co. KG
Große Bahnstraße 31, 22525 Hamburg, Germany
tuev-nord.de | dniekamp@tuev-nord.de

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Scope of Approval

TN/AD2000-W0/21367/24

Report No. / Manufacturer No. / Validity remark: 812 334 4215 / 21367 / 10.2024 - 10.2027

to the Certificate as Material Manufacturer acc. to AD 2000-Merkblatt W 0

RATNAMANI METALS & TUBES LTD.(SS PLANT-INDRAD WORKS), Survey No. 423, 423/1, 409,412,413,414,415, A'bad-Mehsana Highway,Vil:Indrad, Dist:Mehsana-382715, Guj., India

Revision status:

Essen, 27.11.2024

TÜVNORD Digital unterschrieben von Niekamp Dirk

Certification Body

TÜV NORD Systems GmbH & Co. KG
Große Bahnstraße 31, 22525 Hamburg, Germany
tuev-nord.de | dniekamp@tuev-nord.de

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No.	material designation / product form / specification	dimensions / (unit) weight / heat treatment / delivery condition (EN 10027)	AD 2000	remarks
1.11	Grade X5CrNi18-10(1.4301), Grade X2CrNi19-11(1.4306), Grade X2CrNi18-9 (1.4307), X6CrNiTI18-10(1.4541), Grade X6CrNiMoTi17-12-2 (1.4571), Grade X5CrNiMo17-12-2 (1.4401), Grade X2CrNiMo17-12-2(1.4404) , Grade X6CrNi18-10 (1.4948), Grade X6CrNiNb18-10(1.4550), Grade X1CrNi25-21 (1.4435), Grade X2CrNiN18-10 (1.4311)*, Grade X2CrNiMoN17-13-3 (1.4429)* / Stainless steel seamless tubular / EN 10216-5	0.50 ≤ t ≤ 42.00 ; 3.00 ≤ Ø ≤ 273.10 mm / Solution annealed/+AT(Hot finish & cold finished)	W 2	Certified acc. to PED Annex.1 Sec.4.3 by the notified body of TUV NORD Systems (Reg. No. 0045). * With Inspection Certificate 3.2 for W2/W10 If Wall Thickness > 5.6 mm with inspection certificate 3.2 acc. to EN 10204
2.11	Grade X5CrNi18-10(1.4301), Grade X2CrNi18-9 (1.4307), X6CrNiTI18-10(1.4541), Grade X6CrNiMoTi17-12-2 (1.4571), Grade X5CrNiMo17-12-2 (1.4401), Grade X2CrNiMo17-12-2 (1.4404) , Grade X2CrNi19-11 (1.4306), Grade X6CrNiNb18-10 (1.4550) , Grade X1CrNi25-21 (1.4435) , Grade X2CrNiN18-10 (1.4311)*, Grade X2CrNiMoN17-13-3 (1.4429)* / Stainless steel seamless tubular / EN 10216-5	0.50 ≤ t ≤ 42.00 ; 3.00 ≤ Ø ≤ 273.10 mm / Solution annealed/+AT(Hot finish & cold finished)	W 10	

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No.	material designation / product form / specification	dimensions / (unit) weight / heat treatment / delivery condition (EN 10027)	AD 2000	remarks
3.11	Grade X2CrNiMoN22-5-3(1.4462) / Grade X2CrNiMoN25-7-4 (1.4410), Grade X2CrNiMoCuWN25-7-4 (1.4501) / Stainless steel seamless tube / EN 10216-5	0.50 ≤ t ≤ 30.00 ; 3.00 ≤ Ø ≤ 273.10 mm / Solution annealed/+AT(Hot finish & cold finished)	--	
4.11	Grade X7CrNiTi18-10 (1.4940) / Grade X1CrNiMoCuN20-18-7 (1.4547) , Grade X1CrNiMoN25-22-2 (1.4466) / Stainless steel seamless tube / EN 10216-5	0.50 ≤ t ≤ 30.00 ; 3.00 ≤ Ø ≤ 273.10 mm / Solution annealed/+AT(Hot finish & cold finished)	--	

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No.	material designation / product form / specification	dimensions / (unit) weight / heat treatment / delivery condition (EN 10027)	AD 2000	remarks
5.1	Grade TP304, TP304L, TP304N , TP304LN,TP316, TP316L,TP316H, TP316Ti,TP316LN,TP317, TP317L , TP321,TP321H, TP347 ,TP347H,UNS S31254, UNS N08904, 310S, 310MOLN, UNS N008800 / Stainless steel seamless Tubes / ASTM A 213 / ASME SA 213	0.50 ≤ t ≤ 20.00 ; 3.00 ≤ Ø ≤ 273.10 mm / Solution annealed/+AT(Hot finish & cold finished)	---	Only for Information
6.1	Grade TP405,TP 410,TP 446-1, TP430,TP439 ,TP446-2 / Stainless steel Seamless Tubes / ASTM A 268/ ASME SA 268	1.00 ≤ t ≤ 10.00 ; 6.00 ≤ Ø ≤ 219.10 mm / / Heat Treated (cold finished)	---	Only for Information
7.1	Grade TP304, TP304L, TP 304LN, TP316, TP316L,TP316LN,UNS S31254, TP321, TP 347 ,N08904 / Stainless steel seamless Tubes / ASTM A 269	0.50 ≤ t ≤ 20.00 ; 3.00 ≤ Ø ≤ 273.10 mm / Solution annealed/+AT(Hot finish & cold finished)	---	Only for Information
8.1	Grade TP316L /Stainless steel seamless Tubes / ASTM A 270	0.889 ≤ t ≤ 10.00 ; 6.35 ≤ Ø ≤ 25.4 mm / Solution annealed/+AT(Hot finish & cold finished)	---	Only for Information

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No.	material designation / product form / specification	dimensions / (unit) weight / heat treatment / delivery condition (EN 10027)	AD 2000	remarks
9.1	Grade 304, 304L, 304N, 304H, 304LN, 316, 316L, 316H, 316LN, 316Ti, 317L, 321, 321H, 347, 347H, UNS S31254, UNS N08904, UNS N08800 , S31050, 310S , 317 / Stainless steel seamless Pipes / ASTM A 312 / ASME SA 312	1,24 ≤ t ≤ 42.00 ; 10,30 ≤ Ø ≤ 323.60 mm / Solution annealed/+AT(Hot finish & cold finished)	---	Only for Information
10.1	Grade TP304, TP304H , TP304N, TP304LN, TP316, TP316H,TP316N,TP316LN, TP321,TP321H,TP347, TP347H , TP347LN, / Stainless steel seamless Pipes / ASTM A 376 / ASME SA 376	1.24 ≤ t ≤ 42.00 ; 10,30 ≤ Ø ≤ 273.10 mm / Solution annealed/+AT(Hot finish & cold finished)	---	Only for Information
11.1	Grade 304, 304L, 310S, 316, 316L , 317,321,347, N08800 , N08904, N08925, 405,410, 446-1, 446-2,S31803, S32205, S32750, S32760, / Stainless steel seamless Tubes & Hollow Bars / ASTM A 511 / ASME SA 511	8,00 ≤ t ≤ 42.00 ; 56 ≤ Ø ≤ 273.10 mm / Solution annealed/+AT(Hot finish & cold finished)	---	Only for Information
12.1	Grade 304, 304L, 304N, 304LN,316, 316L, 316LN ,316N, UNS S31254, UNS N08800 / Stainless steel seamless Tubes / ASTM A 688 / ASME SA 688	0.50 ≤ t ≤ 5,00 ; 15,8 ≤ Ø ≤ 25,40 mm / Solution annealed/+AT(Hot finish & cold finished)	---	Only for Information

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13.1	Grade UNS S 31803, UNS S32205, UNS S32750, UNS S 32760, UNS S31500,S 31260 , S32304/ Duplex steel seamless Tubes / ASTM A 789/ASME SA 789	0.50 ≤ t ≤ 15,00 ; 6,00 ≤ Ø ≤ 203,2 mm / Solution annealed/+AT(Hot finish & cold finished)	---	Only for Information
14.1	Grade UNS S 31803, UNS S32205, UNS S32750, UNS S 32760, S31500, S31260, S32304 / Duplex steel seamless Pipes / ASTM A 790/ASME SA 790	1,24 ≤ t ≤ 30,00 ; 10,29 ≤ Ø ≤ 273,10 mm / Solution annealed/+AT(Hot finish & cold finished)	---	Only for Information
15.1	Grade UNS N08800, UNS N08825, N06600, N06601 , N04400 / Nickel & Nickel Alloy Seamless Tubes /ASTM B163 / ASME SB-163	0,5 ≤ t ≤ 5,00 ; 6,00 ≤ Ø ≤ 116,00 mm / Solution annealed/+AT(Hot finish & cold finished)	---	Only for Information
16.1	Grade UNS N04400 / Nickel-Copper Alloy Seamless Pipes & Tubes /ASTM B165 / ASME SB-165	0,5 ≤ t ≤ 15,00 ; 6,00 ≤ Ø ≤ 116,00 mm / Solution annealed/+AT(Hot finish & cold finished)	---	Only for Information

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17.1	Grade N06600, N06601 / Nickel-Chromium -Iron Alloy Seamless Pipes & Tubes /ASTM B167 / ASME SB-167	0,5 ≤ t ≤ 15,00 ; 6,00 ≤ Ø ≤ 116,00 mm / Solution annealed/+AT(Hot finish & cold finished)	--	Only for Information
18.1	Grade UNS N08800 / Nickel-Iron-Chromium Alloy Seamless Pipes & Tubes /ASTM B407 / ASME SB-407	0,5 ≤ t ≤ 15,00 ; 6,00 ≤ Ø ≤ 116,00 mm / Solution annealed/+AT(Hot finish & cold finished)	--	Only for Information
19.1	Grade N08825 / Nickel-Chromium -Molybdenum-Copper Alloy Seamless Pipes & Tubes /ASTM B423 / ASME SB-423	0,5 ≤ t ≤ 15,00 ; 6,00 ≤ Ø ≤ 116,00 mm / Solution annealed/+AT(Hot finish & cold finished)	--	Only for Information
20.1	Grade UNS N06625 / Nickel-Chromium -Molybdenum-Columbiumr Alloy Seamless Pipes & Tubes /ASTM B444 / ASME SB-444	0,5 ≤ t ≤ 15,00 ; 6,00 ≤ Ø ≤ 116,00 mm / Solution annealed/+AT(Hot finish & cold finished)	--	Only for Information
21.1	Grade UNS N08904 / Nickel-Copper- Alloy Seamless Pipes & Tubes / ASTM B677 / ASME SB-677	0,5 ≤ t ≤ 15,00 ; 6,00 ≤ Ø ≤ 116,00 mm / Solution annealed/+AT(Hot finish & cold finished)	--	Only for Information