

# CERTIFICATE

**TÜV NORD Systems GmbH & Co. KG**

certifies that the company

**Sanjivani Casting Pvt. Ltd.**  
**Survey No. 164, Gondal N/H 27, SIDC Road**  
**Veraval (Shapar), Tal: Kotda Sangani**  
**Dist: Rajkot - 360 024, Gujarat, India**

has been verified and recognized as material manufacturer according to

**AD 2000-Merkblatt W0**

**Certificate-No.: 07/203/1409/WP/1158/20**

File No.: 811 815 7662

Production site: **See above**

The scope of approval is available in the annex scope of approval.

The company fulfils the following essential requirements:

Facilities for appropriate manufacturing and testing, appropriate procedures for manufacturing of the products, qualified personnel for manufacturing and testing of the products and a quality management system with appropriate records, which ensures proper manufacture of the products, as well as compliance with the requirements specified in the material specification.

This certificate is valid until

**March 2023**

Essen, 2020-03-20

Annex: scope of approval

Conventional Power Plants  
Langemarckstr. 20  
45141 Essen

Phone: 201-825-2722  
Fax: 201-825-2858  
E-Mail: DNiekamp@tuev-nord.de



**Niekamp**

TÜV NORD Systems GmbH & Co. KG,  
Große Bahnstraße 31, D-22525 Hamburg

# CERTIFICATE

Quality-Assurance System for material manufacturer  
according to Pressure Equipment Directive 2014/68/EU

Certificate no.: 07/202/1409/WZ/1158/20

Name and address  
of the manufacturer: Sanjivani Casting Pvt. Ltd.  
Survey No. 164, Gondal N/H 27, SIDC Road  
Veraval (Shapar), Tal: Kotda Sangani  
Dist: Rajkot – 360 024, Gujarat, India

Herewith we certify that the manufacturer has established and applies a **quality-assurance system related to the material**. This QA System has been subjected to a specific assessment acc. to directive 2014/68/EU, annex I, point 4.3 with regard to the materials mentioned in the scope of approval.

Approved acc. to directive  
2014/68/EU: **QA-System in relation to materials,  
EN 764-5, section 4.2 and AD2000-Merkblatt W0**

Certification file no.: **811 815 7662**

Audit report file no.: **811 792 3280**

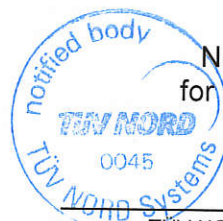
Scope of approval:  
(product / material) **Investment Castings**

Production site: **Survey No. 164, Gondal N/H 27, SIDC Road, Veraval  
(Shapar), Tal: Kotda Sangani, Dist: Rajkot – 360 024,  
Gujarat, India**

The certificate is valid until: **March 2023**

Only valid in conjunction with a valid certificate acc. to EN ISO 9001.

Essen, 20.03.2020



Notified Body (0045)  
for Pressure Equipment

Niekamp

TUV NORD Systems GmbH & Co. KG,  
Große Bahnstraße 31, D-22525 Hamburg

Annex: Scope of Approval

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e-mail DNiekamp@tuev-nord.de

Member of



CONFEDERATION EUROPEENNE D'ORGANISMES DE CONTRÔLE

bitte wählen

Geltungsbereich der Überprüfung gemäß / Scope of Approval according to

- Richtlinie 2014/68/EU, Anhang I, Nummer 4.3 / Directive 2014/68/EU, Annex I, Point 4.3.
- AD 2000-Merkblatt W 0 / AD 2000-Merkblatt W 0

Firma / Company: Sanjivani Casting Pvt.Ltd.

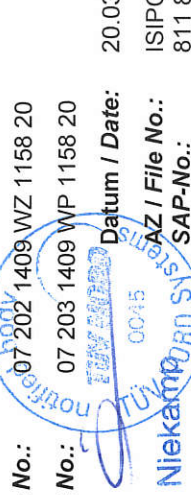
Ort / Location: Survey No.164,Gondal N/H 27, SIDC Road,Veraval(Shapar),  
Tal: Kotda Sangani ,Dist.Rajkot-360 024,Gujarat,India

Zertifikat-Nr. / Certificate No.: 07 202 1409 WZ 1158 20

Zertifikat-Nr. / Certificate No.: 07 203 1409 WP 1158 20

Datum / Date: 20.03.2020

AZ / File No.: ISIPC-452/20  
SAP-No.: 811 815 7662



Nr. No.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzustand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions		Prüfgrundlagen Test specifications	Bemerkungen Remarks
					Dicke Thickness [mm]	Ø / Gewicht Ø / Weight [kg]		
1.11	1.4309	EN 10213	+AT	Investment Castings for Valves & Pumps	Max. 50 mm	Max. 120Kg	Directive 2014/68/EU	Certified acc. To PED annex I, sec. 4.3 by the notified body of TÜV NORD Systems (Reg.No.0045)
1.12	1.4409	EN 10213	+AT					
1.13	1.4469	EN 10213	+AT					
1.14	1.4470	EN 10213	+AT					
1.15	1.4517	EN 10213	+AT					
1.16	1.4317	EN 10213	+QT					
2.11	1.0619	EN 10213	N	Investment Castings for Valves & Pumps	Max. 50 mm	Max. 120Kg	Directive 2014/68/EU AD 2000 Merkblatt W5	*With Inspection certificate 3.2
2.12	1.7357*	EN 10213	+QT					
2.13	1.6220	EN 10213	+QT					
2.14	1.4581	EN 10213	AT					
3.11	1.5419	EN 10213	+QT	Investment Castings for Valves & Pumps	Max. 50 mm	Max. 120Kg	Directive 2014/68/EU AD 2000 Merkblatt W5	With inspection certificate 3.2 in acc.with EN 10204 for use in area of AD 2000 W5
3.12	1.7379	EN 10213	+QT					
3.12	1.1131	EN 10213	+QT					
4.11	1.4408	EN 10213	AT	Investment Castings for Valves & Pumps	Max. 50 mm	Max. 120Kg	Directive 2014/68/EU AD 2000 Merkblatt W0/W5/W10	With inspection certificate 3.2 in acc.with EN 10204 for use in area of AD 2000 W10
4.12	1.4308	EN 10213	AT					Approved WPS in area of AD 2000 are: WPS/EN/CS/SJ/02 WPS/EN/DS/SJ/03 WPS/EN/NI/SJ/04 WPS/EN/SS/SJ/05

\* +AT = Lösungsgeglüht / solution annealed, +N = normalgeglüht, normalisierend umgeformt / normalized forming, +U = unbehandelt / untreated, +NT = normalgeglüht und angelassen / normalized and tempered, +QT = vergütet / quenched and tempered, +M = thermomechanisch umgeformt / thermo mechanical formed, +AR = wie gewalzt / as rolled, +SR = spannungsarmgeglüht / stress relieved, +A = weichtgeglüht / soft annealed, +CR = kaltgewalzt / cold rolled (weitere Symbole / other symbols: EN 10027-1, Tab. 18)

bitte wählen

Ge Geltungsbereich der Überprüfung gemäß / Scope of Approval according to

Richtlinie 2014/68/EU, Anhang I, Nummer 4.3 / Directive 2014/68/EU, Annex I, Point 4.3.

AD 2000-Merkblatt W 0 / AD 2000-Merkblatt W 0

Firma / Company: Sanjivani Casting Pvt.Ltd.

Ort / Location: Survey No.164,Gondal N/H 27, SIDC Road,Veraval(Shapar),

Tal: Kotda Sangani ,Dist.Rajkot-360 024,Gujarat,India

Zertifikat-Nr. / Certificate No.: 07 202 1409 WZ 1158 20

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Datum / Date: 20.03.2020

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Niekamp



Nr. No.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzustand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions		Prüfgrundlagen Test specifications	Bemerkungen Remarks
					Dicke Thickness [mm]	Ø / Gewicht Ø / Weight [kg]		
5.11	3A (CD6MN)	A/SA 890/995	+AT	Investment Castings for Valves & Pumps	Max. 50 mm	Max. 120Kg		If use in area of PED 2014/68/EU A Particular Material Appraisal(PMA) is necessary
5.12	4A (GD3MN)	A/SA-890/995	+AT					
5.13	5A (GE3MN)	A/SA-890/995	+AT					
5.14	6A (CD3MWCuN)	A/SA 890/995	+AT					
5.15	LCC	A/SA 352	N,+QT					
5.16	LCB	A/SA 352	N,+QT					
5.17	CZ-100	A/SA 494	As Cast					
5.18	CN3MN	A/SA 351	+AT					
5.19	CX2MW	A/SA 494	+AT					
5.20	CA15	A/SA 217	NT					
5.21	WCC	A/SA 216	N/+QT					
5.22	WCB	A/SA 216	N/+QT					
5.23	WC6	A/SA 217	+QT					
5.24	CD4MCu	A/SA 351	+AT					
5.25	CN7M	A/SA 351	+AT					
5.26	CF3M	A/SA 351	+AT					
5.27	CF8M	A/SA 351	+AT					
5.28	CF3	A/SA 351	+AT					
5.29	CK20	A/SA 351	+AT					
5.30	CK3MCuN	A/SA 351	+AT					
5.31	CF8C	A/SA 351	+AT					
5.32	CW12MW	A/SA 494	+AT					
5.33	Cu5MCuC	A/SA 494	+AT					
5.34	CW6MC	A/SA 494	+AT					

\* +AT = Lösungsgeglüht / solution annealed, +N = normalgeglüht, normalisierend umgeformt / normalized forming, +U = unbehandelt / untreated, +NT = normalgeglüht und angelassen / normalized and tempered, +QT = vergütet / quenched and tempered, +M = thermomechanisch umgeformt / thermo mechanical formed, +AR = wie gewalzt / as rolled, +SR = spannungsarmgeglüht / stress relieved, +A = weichgeglüht / soft annealed, +CR = kaltgewalzt / cold rolled (weitere Symbole / other symbols: EN 10027-1, Tab. 18)