

# CERTIFICATE

**TÜV NORD Systems GmbH & Co. KG**

certifies that the company

**Prathana Alloys Pvt. Ltd.**

**Survey No. 407 Paiki, Village: Moraiya,  
Taluka: Sanand, Ahmedabad - 382 213, Gujarat, India**  
has been verified and recognized as material manufacturer according to

**AD 2000-Merkblatt W0**

**Certificate-No.: 07/203/1409/WP/2515/21**

File No.: 811 998 0075

Production site: **As 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

**November 2024**

Essen, 2021-11-25

Annex: scope of approval

Conventional Power Plants  
Am TÜV 1  
45307 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/2515/21

Name and address  
of the manufacturer: Prathana Alloys Pvt. Ltd.  
Survey No. 407 Paiki, Village: Moraiya,  
Taluka: Sanand, Ahmedabad - 382 213, 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.: 811 998 0075

Audit report file no.: 811 966 7276

Scope of approval:  
(product / material) Sand Castings for Valves and Pumps

Production site: Survey No. 407 Paiki, Village: Moraiya,  
Taluka: Sanand, Ahmedabad - 382 213, Gujarat, India

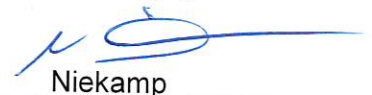
The certificate is valid until: **November 2024**

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

Essen, 2021-11-25



Notified Body (0045)  
for Pressure Equipment



Niekamp

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

Annex: Scope of Approval

Conventional Power Plants  
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Member of



CONFÉDÉRATION EUROPÉENNE D'ORGANISMES DE CONTRÔLE

# TÜV NORD Systems GmbH & Co. KG



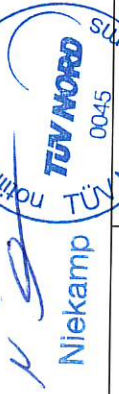
Notifizierte Stelle 0045 / Notified Body 0045

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. Zertifikat-Nr. / Certificate No.: 07 202 1409 WZ 2515/21
- AD 2000-Merkblatt W 0 / AD 2000-Merkblatt W 0 Zertifikat-Nr. / Certificate No.: body/07 203 1409 WP 2515/21

Firma / Company: Prathana Alloys Pvt. Ltd.

Ort / Location: Survey No.407 Paiki, Village:Moraiya, Taluka:Sanand, Ahmedabad-382 213, Gujarat,India



Datum / Date: 25.11.2021  
AZ / File No.: ISIPW-999/21  
SAP-No.: 811 998 0075

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	1.4409	EN 10213	+AT	Sand Castings For Valves & Pump Castings	Max. Wall Thickness 70 mm	Max Weight 850 Kgs	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	1.4470	EN 10213	+AT					
1.13	1.4417	EN 10213	+AT					
1.14	1.1131	EN 10213	+QT					
1.15	1.0625	EN 10213	+QT					
1.16	1.6220	EN 10213	+QT					
2.11	1.0619	EN 10213	+N	Sand Castings For Valves & Pump Castings	Max. Wall Thickness 70 mm	Weight UP TO 850 Kgs	Directive 2014/68/EU AD 2000 Merblatt W5	No Production OR Repair Welding in area of PED & AD 2000
2.12	1.4308	EN 10213	+AT					
2.13	1.4408	EN 10213	+AT					
								3.2 Inspection certificate require If the Casting Weight increased by 500 Kgs for 2.11 for AD 2000 W5
								3.2 Inspection certificate require If the Casting Weight increased by 200 Kgs for 2.12 & 2.13 for AD 2000 W5

\* +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 = weichegeglüht / soft annealed, +CR = kaltgewalzt / cold rolled (weitere Symbole / other symbols: EN 10027-1, Tab. 18)



# TÜV NORD Systems GmbH & Co. KG



Notifizierte Stelle 0045 / Notified Body 0045

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: Prathana Alloys Pvt. Ltd.

Ort / Location: Survey No.407 Paiki, Village:Moraiya, Taluka:Sanand, Ahmedabad-382 213, Gujarat, India

Zertifikat-Nr. / Certificate No.: 07 202 1409 WZ 2515/21

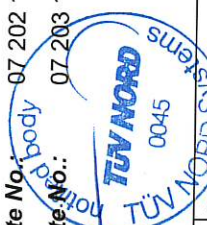
Zertifikat-Nr. / Certificate No.: 07 203 1409 WP 2515/21

**Niekamp**

Datum / Date: 25.11.2021

AZ / File No.: ISIPW-999/21

SAP-No.: 811 998 0075



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]		
4.11	CF3	ASTM-A-351	+AT	Sand Castings For				
4.12	CF3M	ASTM-A-351	+AT	Valves & Pump	Max Wall	Weight UP TO		
4.13	CF8	ASTM-A-351	+AT	Castings	Thickness	850 Kgs		
4.14	CF8M	ASTM-A-351	+AT		70 mm			
4.15	WCB	ASTM-A-216	+N					
4.16	WCC	ASTM-A-216	+N					
4.17	LCB	ASTM-A-352	+QT					
4.18	LCC	ASTM-A-352	+QT					
4.19	C5	ASTM-A-217	+NT					
4.20	C12	ASTM-A-217	+NT					
4.21	CA15	ASTM-A-217	+NT					
4.22	WC6	ASTM-A-217	+NT					
4.23	WC9	ASTM-A-217	+NT					
4.24	Grade 4 Class A & C	ASTM A 487	+QT					
4.25	4A ,	ASTM A 890/A995	+AT					
4.26	5A	ASTM A 890/A995	+AT					
4.27	6A	ASTM A 890/A995	+AT					
4.28	Cu5MnCuC	ASTM A 494	+AT+Stabilizing					PMA IS REQUIRED IF USED IN CASE OF PED APPLICATION

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