

CERTIFICATE

TÜV NORD Systems GmbH & Co. KG

certifies that the company

Duflon Industries Pvt. Ltd.
Block No.: 2091 / 1 ,Santej-Khatraj Road,
Village: Santej, Tal.: Kalol,
Dist.: Gandhinagar – 382 721, Gujarat, India
has been verified and recognized as material manufacturer according to

AD 2000-Merkblatt W0

Certificate-No.: 07/203/1409/WP/2084/21

File No.: 812 008 5805

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

December 2024

Essen, 2021-12-28

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/2084/21

Name and address
of the manufacturer:

Duflon Industries Pvt. Ltd.
Block No.: 2091 / 1 ,Santej-Khatraj Road,
Village: Santej, Tal.: Kalol,
Dist.: Gandhinagar – 382 721, 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.:

812 008 5805

Audit report file no.:

811 989 1859

Scope of approval:
(product / material)

Manufacture and Supply of Investment Castings

Production site:

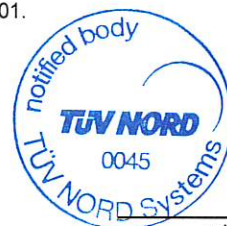
Block No.: 2091 / 1 ,Santej-Khatraj Road,
Village: Santej, Tal.: Kalol,
Dist.: Gandhinagar – 382 721, Gujarat, India

The certificate is valid until:

December 2024

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

Essen, 2021-12-28



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
Am TÜV 1
45307 Essen

Phone 201-825-2722
Fax 201-825-2858
e-mail dniekamp@tuv-nord.de

Member of



CONFÉDÉRATION EUROPÉENNE D'ORGANISMES DE CONTRÔLE

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 2084/21

AD 2000-Merkblatt W 0 / AD 2000-Merkblatt W 0 Zertifikat-Nr. / Certificate No.: 07 203 1409 WP 2084/21

Firma / Company: DUFロン INDUSTRIES PRIVATE LIMITED

Block No. : 2091 / 1 , Santej-Khatraj Road ,

Village : Santej , Tal. : Kalol,

Dist. : Gandhinagar – 382 721, Gujarat , India

Datum / Date: 28.12.2021

AZ / File No.: ISIPW-37/22

SAP-No.: 812 008 5805



Nr. No.	Werkstoffbezeichnung Material designation	Spezifikation Specification n	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 Casting	Thickness Maximum 60 mm	Weight maximum 90 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	1.4409	EN 10213	+AT	Investment Casting				
1.13	1.4469	EN 10213	+AT	Investment Casting				
1.14	1.4517	EN 10213	+AT	Investment Casting				
1.15	1.4317	EN 10213	+NT	Investment Casting				
2.11	1.0619	EN 10213	+N	Investment Casting	Thickness Maximum 60 mm	Weight maximum 90 Kgs	Directive 2014/68/EU AD 2000 Merblatt W5	Approved WPS in acc.with AD2000/ ISO 11970 WPS DIPL/EN/WPS/01 Rev.00 WPS DIPL/EN/WPS/02 Rev.00 WPS DIPL/EN/WPS/03 Rev.00 WPS DIPL/EN/WPS/04 Rev.00
2.12	1.4308	EN 10213	+AT	Investment Casting				
2.13	1.4408	EN 10213	+AT	Investment Casting				
2.14	1.4581	EN 10213	+AT	Investment Casting				
3.11	1.4588	EN 10283	+AT	Investment Casting	Thickness Maximum 60 mm	Weight maximum 90 Kgs	Directive 2014/68/EU	PMA is required if used in area of PED Application
3.12	1.4525(QT1)	EN 10283	+QT	Investment Casting				

*+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 = spannungsrarmgeglüht / stress relieved, +A = weichgeglüht / soft annealed, +CR = kaltgewalzt / cold rolled (weitere Symbole / other symbols: EN 10027-1, Tab. 18)

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 2084/21

AD 2000-Merkblatt W 0 / AD 2000-Merkblatt W 0 Zertifikat-Nr. / Certificate No.: 07 203 1409 WP 2084/21

Firma / Company: DUFロン INDUSTRIES PRIVATE LIMITED

Ort / Location: Block No. : 2091 / 1 , Santej-Khatraj Road ,

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					Dicke Thickness [mm]	Ø / Gewicht Ø / Weight [kg]		
4.11	WCB	ASTM A216	+N	Investment Casting	Thickness	Weight		PMA is required if used in area of PED Application
4.12	WCC	ASTM -A216	+N	Investment Casting	Maximum	maximum 90 Kgs		
4.13	CF3	ASTM -A351	+AT	Investment Casting	60 mm			
4.14	CF3M	ASTM -A351	+AT	Investment Casting				
4.15	CF8	ASTM -A351	+AT	Investment Casting				
4.16	CF8M	ASTM -A351	+AT	Investment Casting				
4.17	CN3MN	ASTM -A351	+AT	Investment Casting				
4.18	CA6NM	ASTM A 743	+NT	Investment Casting				
4.19	1B(CD4MCuN)	ASTM A 995	+AT	Investment Casting				
4.20	4A(CD3MN)	ASTM A 995	+AT	Investment Casting				
4.21	5A(CE3MN)	ASTM A 995	+AT	Investment Casting				
4.22	6A(CD3MWCuN)	ASTM A 995	+AT	Investment Casting				
4.23	CA15	ASTM A 217	+NT	Investment Casting				
4.24	CB7Cu-1	ASTM A 747	+AT + Precipitation Hardening	Investment Casting				

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