

# CERTIFICATE

**TÜV NORD Systems GmbH & Co. KG**

certifies that the company

**Helios Syscom Pvt. Ltd.**

**NH 27, Survey No. 177, Plot No. 2,**

**Village-Bharudi, Ta: Gondal**

**Dist. Rajkot - 360 311, Gujarat, India**

has been verified and recognized as material manufacturer according to

**AD 2000-Merkblatt W0**

**Certificate-No.: 07/203/1409/WP/2122/19**

File No.: 811 757 2092

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

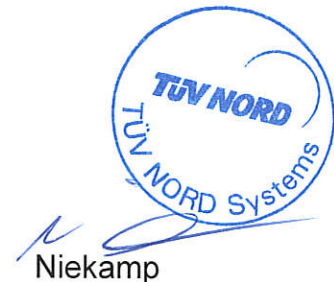
**October 2022**

Essen, 2019-09-29

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](mailto:DNiekamp@tuev-nord.de)



**TUV NORD**  
TÜV NORD Systems  
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/2122/19

Name and address  
of the manufacturer: Helios Syscom Pvt. Ltd.  
NH 27, Survey No. 177, Plot No. 2,  
Village-Bharudi, Ta: Gondal  
Dist. Rajkot - 360 311, 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.: 811 757 2092

Audit report file no.: 811 743 3931

Scope of approval:  
(product / material) Sand Castings

Production site: NH 27, Survey No. 177, Plot No. 2,  
Village-Bharudi, Ta: Gondal  
Dist. Rajkot - 360 311, Gujarat, India

The certificate is valid until: October 2022

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

Essen, 2019-09-29



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  
Langemarckstr. 20  
45141 Essen

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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/2122/19

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

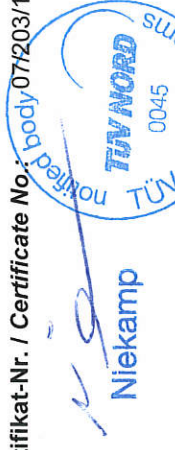
Zertifikat-Nr. / Certificate No.: body07/203/1409/WP/2122/19

Firma / Company: Helios Syscom Pvt.Ltd

Ort / Location: Survey No.-177, Plot No.2, NH-27, Gondal Road,  
Bharudi, Tal.Kotda Sangani, Dist:Rajkot-360 311  
Gujarat, India

Datum / Date: 29.09.2019

AZ / File No.: ISEC-994/19 Nkp/Cri  
SAP-No.: 811 757 2092



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	1.0619	EN 10213	N,+QT	Valve and Pump Castings	Thickness Maximum 150 mm	Weight Maximum 850 Kgs	AD 2000 Merkblatt W5 PED 2014/68/EU	Certified acc. to PED annex 1, pt 4.3 by the Notified Body of TÜV NORD Systems (Reg. no. 0045) As per AD W5 Inspection Certificate 3.2 is required for Sr. No. 1.12 & 1.13 for casting weight >200 kg and for item No. 1.11 for weight > 500 kg. Approved WPS in area of AD 2000 for welding during manufacturing and repair: WPS/EN/CS/HS/01, WPS/EN/CS/HS/02, WPS/EN/CS/HS/03, WPS/EN/CS/HS/04 Rev.0.
1.12	1.4308	EN 10213	AT	Valve and Pump Castings				
1.13	1.4408	EN 10213	AT	Valve and Pump Castings				
1.14	1.4309	EN 10213	AT	Valve and Pump Castings				
1.15	1.4409	EN 10213	AT	Valve and Pump Castings				
1.16	1.4470	EN 10213	AT	Valve and Pump Castings				
1.17	1.6220	EN 10213	QT	Valve and Pump Castings				
1.18	1.5638	EN 10213	QT	Valve and Pump Castings				
1.19	1.4469	EN 10213	AT	Valve and Pump Castings				

\*+AT = Lösungsgeglüht/ solution annealed, +N = normalgeglüht, normalisierend umgeformt/ normalized forming, +U = unbehandelt/unreated, +NT = normalgeglüht und angelassen /normalized and tempered, +QT = vergütet/quenched and tempered, +M = thermomechanisch umgeformt/thermo mechanicalformed, +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)

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: Helios Syscom Pvt.Ltd

Ort / Location: Survey No.-177,Plot No.2, NH-27,Gondal Road,  
Bharudi, Tal.Kotda Sangani,Dist:Rajkot-360 311  
Gujarat,India

Zertifikat-Nr. / Certificate No.: 07/2021/1409/WZ/2122/19

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					Dicke Thickness [mm]	Ø/Gewicht Ø / Weight [kg]		
2.11	WCB	ASTM A/SA-216	N,+QT	Valve and Pump Castings	Thickness Maximum 150 mm	Weight Maximum 850 Kgs		
2.12	WCC	ASTM A/SA-216	N,+QT	Valve and Pump Castings				
2.13	CF8	ASTM A/SA-351	AT	Valve and Pump Castings				
2.14	CF3	ASTM A/SA-351	AT	Valve and Pump Castings				
2.15	CF8M	ASTM A/SA-351	AT	Valve and Pump Castings				
2.16	CF3M	ASTM A/SA-351	AT	Valve and Pump Castings				
2.17	LCB	ASTM A/SA-352	+QT	Valve and Pump Castings				
2.18	LCC	ASTM A/SA-352	+QT	Valve and Pump Castings				
2.19	CA15	ASTM A/SA-217	NT	Valve and Pump Castings				
2.20	LC3	ASTM A/SA-352	+QT	Valve and Pump Castings				
2.21	4A (CD3MN)	ASTMA/SA-995/890	AT	Valve and Pump Castings				
2.22	5A (CE3MN)	ASTMA/SA-995/890	AT	Valve and Pump Castings				

If used in area of PED (2014/68/EU) a Particular Material Appraisal is required

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