

CERTIFICATE

TÜV NORD Systems GmbH & Co. KG

certifies that the company

Sakthi Industries

**Plot No. S-53, Phase III, Sipcot Industrial Complex
Mugundarayapuram Post & Village
Ranipet - 632 405, Tamilnadu, India**

has been verified and recognized as material manufacturer according to

AD 2000-Merkblatt W0

Certificate-No.: 07/203/1409/WP/2319/18

File No.: 811 646 2442 / SEI-1058/18.

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

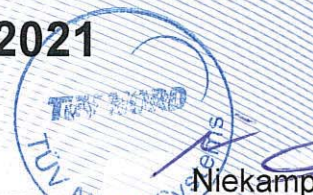
September 2021

Essen, 2018-09-11

Annex: Scope of approval

Region: Essen
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Niekamp

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

CERTIFICATE

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

Certificate no.: 07/202/1409/WZ/2319/18

Name and address
of the manufacturer:

Sakthi Industries
Plot No. S-53, Phase III, Sipcot Industrial Complex
Mugundarayapuram Post & Village
Ranipet – 632 405, Tamilnadu, 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.:

811 646 2442

Audit report file no.:

811 500 7982 (TN India)

Scope of approval:
(product / material)

Steel Castings for Pressure Purposes

Production site:

Plot No. S-53, Phase III, Sipcot Industrial Complex,
Mugundarayapuram Post & Village, Ranipet – 632 405,
Tamilnadu, India

The certificate is valid until:

September 2021

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

Essen, 11.09.2018

Annex: scope of approval

Region: Essen
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45141 Essen, Germany

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Member of



CONFÉDÉRATION EUROPÉENNE D'ORGANISMES DE CONTRÔLE

Notified Body (0045)
for Pressure Equipment

Niekamp

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

TÜV NORD Systems GmbH & Co. KG

Notified Body for Pressure Equipment Directive (PED), Reg. No. 0045

Scope of approval for material manufacturer acc. to Pressure Equipment Directive 2014/68/EU, Annex I pt. 4.3 and AD 2000-Guideline W 0

Firma/firm: SAKTHI INDUSTRIES

Ort / place: Plot No.S-53, Phase III, Sipcot Industrial Complex, ,

Mugundarayapuram Post & Village, Ranipet - 632 405, Tamil Nadu, India.

Annex to Certificate

DGRL-Nr.: 07 202 1409 WZ 2319 1E

AD 2000-WO-Nr.: 07 203 1409 WP 2319 1E

Date : 11.09.2018

TUV - File: SEI-1058/18

SAP: 811 646 2442

Niekamp



Item No.	Material Designation Material number	Material Specification	Delivery Condition	Article Type of Product	Dimension		Techn. Specification Requirements	Remarks
					Dim, [mm] Thickness	Dim, Ø[mm] Weight (Kg,t)		
1		3	4	5	6	7	8	9
1.1	GX2CrNiMo19-11-2 (1.4409)	EN 10213	+AT	Steel Valve Castings for Pressure Purpose	≤100	DN 300 210 Kg	Directive 2014/68/EU	Certified acc. to PED annex I, sec. 4.3 by the notified body of TÜV NORD Systems (Reg. no. 0045), No Production or Repair Welding during Manufacturing Process in Area of PED.
2.2	GP240GH (1.0619)	EN 10213	N	Steel Valve Castings for Pressure Purpose	≤100	DN 300 210 KG	Directive 2014/68/EU, AD 2000 W5	Certified acc. to PED annex I, sec. 4.3 by the notified body of TÜV NORD Systems (Reg. no. 0045), Production or Repair Welding during Manufacturing Process in Area of AD 2000 W5 are Approved for WPS S1WPS/01 and 02 Rev.1
2.1	GX5CrNi19-10 (1.4308)	*1 EN 10213	+AT				Directive 2014/68/EU, AD 2000 W5,W10	
2.3	GX5CrNiMo19-11-2 (1.4408)	*1 EN 10213	+AT				Directive 2014/68/EU, AD 2000 W5,W10	*1. With inspection Certificate 3.2 in area of AD 2000 W10 *1. With inspection Certificate 3.2 in acco with EN 10204 for product Weight ≥ 200 kg if only for AD 2000 W5
3.1	WCB	ASTM A216	N					
3.2	CF8M	ASTM A351	+AT	Steel Valve Castings for Pressure Purpose		DN 300 210 Kg		If use in area of PED 2014/68/EU, a Particular Material Appraisal (PMA) is necessary.
3.3	CF3M	ASTM A351	+AT					
3.4	CF8	ASTM A351	+AT					

Erläuterungen / Explanation: +AT / AT = Lösungsgeglüht und abgeschreckt / solution heat treated and deterrred; N = Normalgeglüht und normalisierend gewalzt oder umgeformt / normalized or normalizing rolled / formed;

NT = Normalgeglüht und angelassen / normalized and annealed; +QT / V = vergütet / quenched and tempered; M = Thermo-mechanisch behandelte / thermo mechanical treated

AR = Unbehandelt, wie gewalzt, / not treated; SR = Spannungsarmgeglüht / stress relieved; A = weichgeglüht / soft annealed; CR = Temperaturregelmäßig umgeformt / controlled hot rolled

Hinweis zu Werkstoff gem. Richtlinie 97/23/EG / Hints for materials use acc. to Directive 2014/68/EU :

Für die spezifischen Einsatzbedingungen ist die Zustimmung des Druckgeräteherstellers bzw. der zuständigen benannten Stelle erforderlich.

The specific material operation conditions have to be approved by pressure equipment manufacturer and by the notified body in charge