CERTIFICATE

Certificate No.: 07/203/1409/WP/2146/22

TÜV NORD Systems GmbH & Co. KG certifies that the manufacturer

[redacted]

has been verified and recognized as

material manufacturer acc. to AD 2000-Merkblatt W 0

in accordance with the requirements of the certification scheme TNS-AD2000-W0.

Details can be found in the report and the scope of approval.

The manufacturer has the following prerequisites:

- equipment for proper manufacturing and testing,
- suitable procedures for the manufacture of the products,
- skilled personnel for the manufacture and testing of the products, and
- a quality management system with appropriate records that ensures proper manufacture of the products and compliance with the requirements specified in the material specification.

Manufacturing site: See above

Validity: September 2022 until September 2025
Date of issue 18.07.2022
Audit report No.: 812 106 9642
Annex: Scope

TÜV NORD
TÜV NORD Systems

(Niekamp)

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

Conventional Power Plant
Am TÜV 1
45307 Essen

Phone: +49-201-825-2722
Fax: +49-201-825-2858
E-Mail: dniekamp@tuev-nord.de

CERTIFICATE

Quality management system for material manufacturer
in accordance with the requirements of
Pressure Equipment Directive 2014/68/EU

Certificate No.:	**0045/202/1409/WZ/2146/22**
Name and address of manufacturer:	**D.H. Exports PVT. LTD.** **C-41 TTC Industrial Area, Village Pawane, Thane-Belapur Road** **400 705, Rabale, Navi Mumbai, INDIA**

This is to certify that the manufacturer has implemented and applies a **quality management system in relation to materials**. This QM system has been subject to specific verification in accordance with the requirements of Directive 2014/68/EU, Annex I, point 4.3 in relation to the materials. The manufacturer is entitled to issue certificates of specific tests on materials in accordance with the Pressure Equipment Directive and the underlying technical specifications.

Test specification:	**EN 764-5, section 4.2 & AD -2000 WO**
Audit report No.:	**812 106 9642**
Range of products:	**Manufacture of Bars (cold drawn) (Bright)**
Place of manufacture:	**C-41 TTC Industrial Area, Village Pawane, Thane-Belapur Road, 400 705, Rabale, Navi Mumbai, INDIA**
This certificate is valid until:	**September 2025**

18.07.2022

notified body TÜV NORD 0045 TÜV NORD Systems

Notified Body 0045 for pressure equipment

Niekamp

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

Attachment:

Contact:
E-Mail dniekamp@tuev-nord.de
Phone +49-201-825-2722

TÜV NORD Systems GmbH & Co. KG

Notifizierte Stelle 0045 / Notified Body 0045

Geltungsbereich der Überprüfung gemäß / *Scope of Approval according to*

Niekamp

TÜV NORD Systems

☒ **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***

Zertifikat-Nr. / *Certificate No.:* 0045 202 1409 WZ 2146 22

Zertifikat-Nr. / *Certificate No.:* 07 203 1409 WP 2146 22

Firma / *Company:* D H EXPORTS PVT LTD

Ort / *Location:* C41, TTC Industriail Area, Village Pawane, Thane-Belapur Road, Navi Mumbai - 4005 705 India.

Datum / *Date:* 18.07.2022

AZ / *File No.:* ISIPW-688/22

SAP-No.: 812 106 9642

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]		
1.1	1.4301	EN 10272	2H, 2D	Bright Round Bars		3 - 160mm	Richtlinie 2014/68/EU Directive 2014/68/EU	Certified acc. to PED annex I, sec. 4.3 by the notified body of TÜV NORD Systems (Reg. no. 0045).
1.2	1.4401	EN 10272	2H, 2D	Bright Flat Bars	Width 5 to 63.50mm 7 Thickness 3 to 31.75mm,			
1.3	1.4404	EN 10272	2H, 2D	Bright Square Bars	4 to 50.80MM SQ			
1.4	1.4307	EN 10272	2H, 2D	Bright Hexagone Bars	4 to 55mm A/F			
1.5	1.4541	EN 10272	2H, 2D	Bright Round Bars		3-80mm		
1.6	1.4571	EN 10272	2H, 2D					
1.7	1.4006	EN 10272	2H, 2D					
1.8	1.4057	EN 10272	2H, 2D					
2.1	1.4301	EN 10088-3	2H, 2D	Bright Round Bars		3 - 160mm		If use in area of PED a Perticular Material Appraisal (PMA) is required.
2.2	1.4401	EN 10088-3	2H, 2D	Bright Flat Bars	Width 5 to 63.50mm 7 Thickness 3 to 31.75mm			

* +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 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)

TÜV NORD Systems GmbH & Co. KG

Notifizierte Stelle 0045 / Notified Body 0045

Geltungsbereich der Überprüfung gemäß / *Scope of Approval according to*

Niekamp

notified body TÜV NORD TÜV NORD Systems

TÜV NORD Systems

☒ **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***

Zertifikat-Nr. / *Certificate No.:* 0045 202 1409 WZ 2146 22

Zertifikat-Nr. / *Certificate No.:* 07 203 1409 WP 2146 22

Firma / *Company:* D H EXPORTS PVT LTD

Ort / *Location:* C41, TTC Industriail Area, Village Pawane, Thane-Belapur Road, Navi Mumbai - 4005 705 India.

Datum / *Date:* 18.07.2022

AZ / *File No.:* ISIPW-688/22

SAP-No.: 812 106 9642

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]		
2.3	1.4404	EN 10088-3	2H, 2D	Bright Square Bars	4 to 50.80mm SQ			If use in area of PED 2014/68/EU a Particular Material Appraisal (PMA) is necessary
2.4	1.4307	EN 10088-3	2H, 2D	Bright Hexagone Bars	4 to 55.00mm A/F			
2.5	1.4541	EN 10088-3	2H, 2D			3.00 - 80.00MM		
2.6	1.4571	EN 10088-3	2H, 2D					
2.7	1.4006	EN 10088-3	2H, 2D					
2.8	1.4057	EN 10088-3	2H, 2D					
2.9	1.4542	EN 10088-3	2H, 2D					
3.1	304	ASTM A276/ SA276	+AT, S	Bright Round Bars		3 - 160mm		
3.2	304L	ASTM A276/ SA276	+AT, S	Bright Flat Bars	Width 5 to 63.50 mm & Thickness 3 to 31.75mm			
3.3	316	ASTM A276/ SA276 ASME SA675	+AT, S	Bright Square Bars	4 to 50.80mm SQ			
3.4	316L	ASTM A276 / SA276	+AT, S	Bright Hexagone Bars	4 to 55.00mm A/F			

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(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:* D H EXPORTS PVT LTD

Ort / *Location:* C41, TTC Industriail Area, Village Pawane, Thane-Belapur Road, Navi Mumbai - 4005 705 India.

Niekamp

notified body 0045 TÜV NORD Systems

TÜV NORD Systems

Zertifikat-Nr. / *Certificate No.:* 0045 202 1409 WZ 2146 22

Zertifikat-Nr. / *Certificate No.:* 07 203 1409 WP 2146 22

Datum / *Date:* 18.07.2022

AZ / *File No.:* ISIPW-688/22

SAP-No.: 812 106 9642

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]		
3.5	316Ti	ASTM A276 / SA276	+AT,S	Bright Round Bars		3.00 - 80.00mm		If use in area of AD 2000 or PED 2014/68/EU a Particular Material Appraisal (PMA) is necessary.
3.6	321	ASTM A276 / SA276	+AT,S					
3.7	410	ASTM A276 / SA276	+A					
3.8	431	ASTM A276 / SA276	+AT, +SR					
4.1	304	ASTM A479 / SA479	+AT, S1 & S2	Bright Round Bars		3 - 160mm		
4.2	304L	ASTM A479 / SA279	+AT , S1 & S2	Bright Flat Bars	Width 5 ti 63.50mm & Thickness 3 to 31.75mm			
4.3	316	ASTM A479 / SA479	+AT , S1 & S2					
4.4	316L	ASTM A479 / SA479	+AT , S1 & S2	Bright Square Bars	4 to 50.80mm SQ			
4.5	316Ti	ASTM A479 / SA479	+AT	Bright Hexagone Bars	4 to 55mm A/F			
4.6	321	ASTM A479 / SA479	+AT	Bright Round Bars		3 - 80mm		
4.7	410	ASTM A479 / SA479	+A					
4.8	431	ASTM A479 / SA479	+A, +SR					

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(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*

Niekamp

☒ **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***

Zertifikat-Nr. / *Certificate No.:* 0045 202 1409 WZ 2146 22

Zertifikat-Nr. / *Certificate No.:* 07 203 1409 WP 2146 22

TÜV NORD Systems

Firma / *Company:* D H EXPORTS PVT LTD

Ort / *Location:* C41, TTC Industriail Area, Village Pawane, Thane-Belapur Road, Navi Mumbai - 4005 705 India.

Datum / *Date:* 18.07.2022

AZ / *File No.:* ISIPW-688/22

SAP-No.: 812 106 9642

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]		
5.1	630(17-4PH)	ASTM A564 / SA564	+AT , H1150 H1100 H1075	Bright Round Bars		3mm to 160 mm		If use in area of PED 2014/68/EU a Particular Material Appraisal (PMA) is necessary
6.1	420	ASTM A276 / SA276 EN 10088-3	+A +A, 2H, 2D	Bright Round Bars		3mm to 155 mm		
6.2	1.4021		+AT	Brihght Round Bars		3mm to 155 mm		
6.3	B8CL1	ASTM A193/193M , ASTM A320/320M	+AT	Bright Round Bars		5mm to 70mm		
6.4	B8MCL1	ASTM A193/193M , ASTM A320/320M	+AT	Bright Round Bars		5mm to 70mm		
6.5	B8CL2	ASTM A193/193M	+AT, +C	Bright Round Bars		5mm to 70mm		
6.6	B8MCL2	ASTM A193/193M , ASTM A320/320M	+AT, +C	Bright Round Bars		5mm to 70mm		
				Bright Round Bars		5mm to 40mm		

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