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/1052/23**
Name and address of manufacturer:	**INTRICAST PRIVATE LIMITED** **25/28, Galaxy Industrial Estate,** **15 KM Rajkot Gondal Road, Village –Shapar,** **Dist. Rajkot – 360 024, Gujarat, 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.:	**812 133 3821**
Range of products:	**Investment Castings**
Place of manufacture:	**25/28, Galaxy Industrial Estate, 15 KM Rajkot Gondal Road, Village –Shapar, Dist. Rajkot – 360 024, Gujarat, India**
This certificate is valid until:	**January 2026**

28.01.2023

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:

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TÜV NORD Systems GmbH & Co. KG
Notifizierte Stelle 0045 / Notified Body 0045

Niekamp

notified body TÜV NORD 0045 TÜV NORD Systems

TÜV NORD

Geltungsbereich als Anlage zum Zertifikat / *Scope of Approval as annex to Certificate*

[X] Richtlinie 2014/68/EU, Anh. I, Pkt. 4.3 / *Directive 2014/68/EU, Ann. I, Point 4.3.* Zertifikat-Nr. / *Certificate No.:* **0045 202 1409 WZ 1052 23**

[X] AD 2000-Merkblatt W 0 / *AD 2000-Merkblatt W 0* Zertifikat-Nr. / *Certificate No.:* **07 203 1409 WP 1052 23**

Firma / *Company:*			Ort / *Location:*		AZ / *File No.:*		SAP-Nr.:	Datum / Date: 28.01.2023
INTRICAST PRIVATE LIMITED			25/28 Galaxy Industrial Estate, 15 KM Rajkot Gondal Road ,Village - Shapar,Dist.Rajkot-360 024 ,Gujarat ,india		ISIPW-146/23		812 133 3821	
Nr.	Werkstoffbezeichnung	Spezifikation	Lieferzustand*	Erzeugnisform	Abmessungen		Prüfgrundlagen	Bemerkungen
No.	*Material designation*	*Specification*	*Delivery cond.**	*Product type*	*Dimensions*		*Test specifications*	*Remarks*
					Dicke	Ø / Gewicht		
					Thickness	*Ø / Weight*		
					[mm]	[mm] / [kg]		
1	2	3	4	5	6	7 / 8	9	10
.1.10	1,0619	EN 10213	.+N/+QT	Investment Castings	68 mm Max	up to 97Kgs	Directive 2014/68/EU	Certified acc. To PED annex I, sec. 4.3 by the notified body of TUV NORD Systems (Reg.No.0045)
1,11	1.5419*1	EN 10213	+QT	for Valves & Pumps			AD 2000 Merkblatt W5	
1,12	1.7357*1	EN 10213	+QT					
1,13	1.7379*1	EN 10213	+QT					
1,14	1.7706*1	EN 10213	+QT					No Production or repair welding is involved in the Manufacturing Process
1,15	1.4107*1	EN 10213	+QT					
1,16	1.4931*1	EN 10213	+QT					
1,17	1.1131*1	EN 10213	.+N/+QT					
1,18	.1.6220*1	EN 10213	N/+QT					*1 with Inspection Certificate 3.2 in
1,19	1,4552	EN 10213	+AT					acc.with EN 10204
,1.20	1,4581	EN 10213	+AT					
,2.10	1,4408	EN 10213	+AT	Investment Castings	68 mm Max	up to 94Kg	Directive 2014/68/EU	With Inspection certificate 3.1 in acc. With EN 10204 to use in area of AD 2000 W10,Table 1 Footnote 11
				for Valves & Pumps			AD 2000 Merkblatt W5/W10	
2,11	1,4308	EN 10213	+AT	Investment Castings	68 mm Max	up to 94Kg	Directive 2014/68/EU	With Inspection Certificate 3.2 in acc. with EN 10204 for usein area of AD 2000 Merkblatt W10
				for Valves & Pumps			AD 2000 Merkblatt W5/W10	

TÜV NORD Systems GmbH & Co. KG
Notifizierte Stelle 0045 / Notified Body 0045

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notified body TÜV NORD 0045 TÜV NORD Systems

TÜV NORD

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[X] AD 2000-Merkblatt W 0 / *AD 2000-Merkblatt W 0* Zertifikat-Nr. / *Certificate No.:* **07 203 1409 WP 1052 23**

Firma / *Company:*			Ort / *Location:*		AZ / *File No.:*		SAP-Nr.:	Datum / Date: 28.01.2023
INTRICAST PRIVATE LIMITED			25/28 Galaxy Industrial Estate, 15 KM Rajkot Gondal Road ,Village - Shapar,Dist.Rajkot-360 024 ,Gujarat ,india		ISIPW-146/23		812 133 3821	
Nr.	Werkstoffbezeichnung	Spezifikation	Lieferzustand*	Erzeugnisform	Abmessungen		Prüfgrundlagen	Bemerkungen
No.	*Material designation*	*Specification*	*Delivery cond.**	*Product type*	*Dimensions*		*Test specifications*	*Remarks*
					Dicke	Ø / Gewicht		
					Thickness	*Ø / Weight*		
					[mm]	[mm] / [kg]		
1	2	3	4	5	6	7 / 8	9	10
.3.10	1,4317	EN 10213	+QT	Investment Castings	68 mm Max	up to 97Kgs	PED 2014/68/EU	
3,11	1,4309	EN 10213	+AT	for Valves & Pumps				
3,12	1,4409	EN 10213	+AT					

Erläuterung / *Explanation:*

* +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 = 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

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No.	*Material designation*	*Specification*	*Delivery cond.**	*Product type*	*Dimensions*		*Test specifications*	*Remarks*
					Dicke	Ø / Gewicht		
					Thickness	*Ø / Weight*		
					[mm]	[mm] / [kg]		
1	2	3	4	5	6	7 / 8	9	10
,4.10	WCB	A/SA 216	.+N/+QT	Investment Castings	68 mm Max	up to 97Kg		If use in area of PED 2014/68/EU a
4,11	WCC	A/SA 216	.N/+QT	for Valves & Pumps				Perticular Material Appraisal (PMA)
4,12	WC6	A/SA 217	.+NT					is necessary
4,13	CF3	A/SA 351	+AT					
4,14	CF8	A/SA 351	+AT					
4,15	CF8C	A/SA 351	+AT /+ AT & Stabiliziang					
4,16								
4,17	CF3M	A/SA 351	+AT					
4,18	CF8M	A/SA 351	+AT					
4,19	CH20	A/SA 351	+AT					
,4.20	CG8M	A/SA 351	+AT					
4,21	CK3MCuN	A/SA 351	+AT					
4,22	CN7M	A/SA 351	+AT					
4,23	CN3MN	A/SA 351	+AT					
4,24	LCB	A/SA 352	+QT					
4,25	LCC	A/SA 352	+QT					
4,26	CA-15	A/SA 217	.+NT					
4,27	CA40	A/SA 743	.+NT					
4,28	CD4McuN	A/SA 890/995	+AT					
4,29	4A	A/SA 890/995	+AT					
4,30	5A	A/SA 890/995	+AT					
4,31	6A	A/SA 890/995	+AT					
4,32	CW6MC	A/SA 494	+AT					
4,33	CA6NM	A/SA 743	.+NT					

TÜV NORD Systems GmbH & Co. KG
Notifizierte Stelle 0045 / Notified Body 0045

Geltungsbereich als Anlage zum Zertifikat / *Scope of Approval as annex to Certificate*

Niekamp

notified body TÜV NORD 0045 TÜV NORD System

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No.	*Material designation*	*Specification*	*Delivery cond.**	*Product type*	*Dimensions*		*Test specifications*	*Remarks*
					Dicke	Ø / Gewicht		
					Thickness	*Ø / Weight*		
					[mm]	[mm] / [kg]		
1	2	3	4	5	6	7 / 8	9	10
4,34	M35-1	A/SA 494	As Cast					
4,35	CZ100	A/SA 494	As Cast					
4,36	CW6M	A/SA 494	+AT					
4,37	Cu5MCuC	A/SA 494	.+AT & Stabilizing					
4,38	CW12MW	A/SA 494	+AT					
4,39	CB7Cu-1	A/SA 747	.+AT + Precipitation Hardening					

Erläuterung / *Explanation:*

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+M = thermomechanisch umgeformt / thermo mechanical formed, +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)