



Industrie Service

CERTIFICATE

The Notified Body - 0036 -
of TÜV SÜD Industrie Service GmbH

certifies that



Mira Alloy Steels Private Limited
123, Sathy Road, Kurumbapalayam
Coimbatore – 641 107 Tamilnadu, India

has implemented, operates and maintains a

**Quality Assurance System in accordance with the
Pressure Equipment Directive 2014/68/EU, Annex I, Section 4.3,
AD 2000-Merkblatt W 0 as well as EN 764-5, Para. 4.2**

as a material manufacturer for the scope of
castings in ferritic, austenitic and martensitic steels.

The scope of the approval is described in the annex to this certificate.
Further details are mentioned in report no. 4153390513.

The manufacturer is therefore authorized to issue certificates of specific product control within the scope of the assessed quality system and in accordance with the Pressure Equipment Directive 2014/68/EU. Possible additional requirements - specific to applied technical specifications to meet PED Annex I - are not affected.

This certificate is valid through February 2023.

In order to adhere the validity an annual surveillance audit is required.

Certificate No.: DGR-0036-QS-W 471/2011/MUC-003
Munich, May 27th, 2020 Rev. 2

Notified Body, No. 0036



(M. Strobel)

Certification Body
Material and Welding Technology



EQ2670637



Industrie Service

Geltungsbereich der Überprüfung als Hersteller von Werkstoffen nach AD 2000-Merkblatt W 0
Scope of the approval - Manufacturer of material in accordance with AD 2000-Merkblatt W 0

Anlage zum Zertifikat Nr. / Annex to certificate no.
DGR-0036-QS-W 471/2011/MUC-002 von / dated 2020-05-27)

Hersteller / Manufacturer:	Name: Straße/Street: Ort/City:	Mira Alloy Steels (P) Ltd 123, Sathy Road, Kurumbapalayam, Coimbatore – 641 107, Tamilnadu, India	Werk / plant: Coimbatore	Nationalität:/ Country: IND	Datum:/ Date: rev. 2 2020-05-27	Blatt-Nr./ Page No.: 1 v. / of 2	Zertifizierungsstelle für Druckgeräte / Certification Body for pressure equipment Notifizierte Stelle, Nr. / Notified Body, No. 0036
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lfd. Nr. / No.	Werkstoffbezeichnung Werkstoff-Nr. / Material Designation Material Grade	Werkstoff- Spezifikation / Material Specification		Liefer- zustand / Delivery Condition	Prüfgegenstand Erzeugnisform / Description Product	Abmessungen / Dimensions				Gewicht / Weight		Prüfgrundlagen Technische Regeln / Requirements Technical Rules		Report Nr. / report no. 4153390513 vom / dated 2020-01-11
		Art / Spec.	Nr. / No.			Kürzel / Code	Dicke / Thickness [mm]	Durchm. / Diameter [mm]	1 = t 2 = kg	Wert value	Art / Spec.	Nr. / No.	Bemerkungen / Remarks	
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
01	GP240GH 1.0619	EN	10213	N* / V	Steel Castings for Pressure purpose	-	150	-	1100	2	1650	AD 2000	W5	Inspection certificate 3.2 if weight of casting excess 500 kg *Normalized condition: max. wall thickness 100 mm.
02	G17CrMo5-5 (1.7357), G17CrMo9-10 1.7379	EN	10213	N / V	Steel Castings for Pressure purpose	-	150	-	1100	2	1650	AD 2000	W5	Inspection certificate 3.2 required
03	G20Mn5 1.6220	EN	10213	V	Steel Castings for Pressure purpose	-	150	-	1100	2	1650	AD 2000	W5	
04	GX5CrNiMo19-11-2 1.4408 GX5CrNi19-10 1.4308	EN	10213	A	Steel Castings for Pressure purpose	-	150	-	1100	2	1650	AD 2000	W5,W10	Inspection certificate 3.2 if weight of casting exceeds 200 kg. Repair and production welding for category 2-4 acc.to PED Annex 1 3.1.2 are not allowed. For Production welds process approval test in acc. with EN 11970 is mandatory.

Erklärung / Explanation: A = lösungsgeglüht und abgeschreckt / solution annealed and quenched L = lösungsgeglüht / solution annealed N = normalgeglüht / normalized S = spannungsarmgeglüht / stress relieved TM = thermomech. behandelt / thermo-mech. treated
 U = ungeglüht / not annealed V = vergütet und angelassen / quenched and tempered CR = temperaturgeregelt warmumgeformt / controlled rolled G = weichgeglüht / annealed
 a = Werkstoffbezeichnung in Spalte 10 / material designation in column 10 b = Lieferzustand in Spalte 10 / delivery condition in column 10 c = Prüfgegenstand in Spalte 10 / object in column 10 d = Abmessung gem. tech. Regeln / dimensions acc. to technical rules
 e = Gewicht gem. tech. Regeln / weight acc. to technical rules f = Nr. der tech. Regeln in Spalte 10 / technical rules in column 10



Industrie Service

Geltungsbereich der Überprüfung als Hersteller von Werkstoffen nach DGRL 2014/68/EU, Anhang I, Abschnitt 4.3
Scope of the approval – Manufacturer of material in accordance with PED 2014/68/EU, Annex I, Section 4.3

Anlage zum Zertifikat Nr. / Annex to certificate no.
DGR-0036-QS-W 471/2011/MUC-002 von / dated 2020-05-27)

Hersteller / Manufacturer:	Name: Straße/Street: Ort/City:	Mira Alloy Steels (P) Ltd 123, Sathy Road, Kurumbapalayam, Coimbatore – 641 107, Tamilnadu, India	Werk / plant: Coimbatore	Nationalität:/ Country: IND	Datum:/ Date: rev.2 2020-05-27	Blatt-Nr./ Page No.: 2 v. / of 2	Zertifizierungsstelle für Druckgeräte / Certification Body for pressure equipment Notifizierte Stelle, Nr. / Notified Body, No. 0036
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Ifd. Nr. / No.	Werkstoffbezeichnung Werkstoff-Nr. / Material Designation Material Grade	Werkstoff- Spezifikation / Material Specification		Liefer- zustand / Delivery Condition	Prüfgegenstand Erzeugnisform / Description Product	Abmessungen / Dimensions				Gewicht / Weight		Prüfgrundlagen Technische Regeln / Requirements Technical Rules		Report Nr. / report no. 4153390513 vom / dated 2020-01-11
		Art / Spec.	Nr. / No.			Kürzel / Code	Dicke / Thickness [mm]	Durchm. / Diameter [mm]	1 = t 2 = kg	Wert value	Art / Spec.	Nr. / No.	Bemerkungen / Remarks	
	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
01	GP240GH (1.0619) G20Mn5 (1.6220)	EN	10213	N / V	Steel Castings for Pressure purpose	-	150	-	1100	2	1650			Repair and production welding for category 2-4 acc. to PED Annex 1 3.1.2 are not allowed. For production welds a process approval test in acc. with ISO 11970 is mandatory. Bei Verwendung der Werkstoffe in Spalte 2 bis 4 sind die Festlegungen und Grenzen des jeweiligen Regelwerkes zu beachten Für die spezifischen Einsatzbedingungen der Werkstoffe ist die Zustimmung des Druckgeräteherstellers bzw. der zuständigen Notifizierten Stelle erforderlich. / For the use of materials acc. to column 2 till 4 the regulations and limits of the respective standards have to be observed. The specific material operating conditions have to be approved by the pressure equipment manufacturer or respectively by the Notified Body in charge.
02	G17CrMo5-5 1.7357 G17CrMo9-10 1.7379	EN	10213	N / V	Steel Castings for Pressure purpose	-	150	-	1100	2	1650			
03	GX5CrNiMo19-11-2 (1.4408) GX5CrNi19-10 1.4308 GX2CrNi19-11 (1.4309) GX2CrNiMo19-11-2 (1.4409)	EN	10213	A	Steel Castings for Pressure purpose	-	150	-	1100	2	1650			
04	WCB, WCC	ASTM	A216	N	Steel Castings for Pressure purpose	-	150	-	1100	2	1650			
05	LCB, LCC	ASTM	A352	V	Steel Castings for Pressure purpose	-	150	-	1100	2	1650			
06	CF8, CF8M, CF3, CF3M	ASTM	A351	A	Steel Castings for Pressure purpose	-	150	-	1100	2	1650			
07	4A, 5A, 6A	ASTM	A995	A	Steel Castings for Pressure purpose	-	150	-	1100	2	1650			
08	WC6, WC9	ASTM	A217	V	Steel Castings for Pressure purpose	-	150	-	1100	2	1650			

Erklärung / Explanation: A = lösungsgeglüht und abgeschreckt / solution annealed and quenched L = lösungsgeglüht / solution annealed N = normalgeglüht / normalized S = spannungsarmgeglüht / stress relieved TM = thermomech. behandelt / thermo-mech. treated
U = ungeglüht / not annealed V = vergütet und angelassen / quenched and tempered CR = temperaturgeregelt warmumgeformt / controlled rolled G = weichgeglüht / annealed
a = Werkstoffbezeichnung in Spalte 10 / material designation in column 10 b = Lieferzustand in Spalte 10 / delivery condition in column 10 c = Prüfgegenstand in Spalte 10 / object in column 10 d = Abmessung gem. tech. Regeln / dimensions acc. to technical rules
e = Gewicht gem. tech. Regeln / weight acc. to technical rules f = Nr. der tech. Regeln in Spalte 10 / technical rules in column 10