

Certificate

Quality-Assurance System for Manufacturer of Materials acc. to Directive 2014/68/EU

Certificate no.: **01 2627 PL/M-200012.02**

Name and address
of the manufacturer: **CHEMAR S.A.
Ul. K. Olszewskiego 6
25-953 Kielce
Poland**

Herewith we certify that the material manufacturer has established and applies a Quality Management System. The system was audited according to the European Directive 2014/68/EU, Annex I, point 4.3, with regard to the materials as listed in the scope of approval.

Tested acc. to
Directive 2014/68/EU: **QM System acc. to EN 764-5, Clause 4.2 and AD 2000
Merkblatt W0**

Assessment report no.: **84971532/2023**

Area of validity: **Manufacturing of steel castings, see annex to certificate**

Manufacturing plant: **CHEMAR S.A.
Ul. K. Olszewskiego 6
25-953 Kielce
Poland**

Period of validity: **15.12.2023 – 14.12.2026**

Zabrze, 14.12.2023

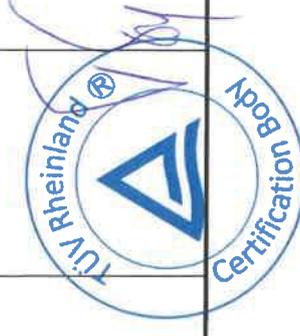

Leszek Zadroga

TÜV Rheinland Polska Sp. z o.o.
Certification Body for Material Manufacturers
ul. Wolności 347, 41-800 Zabrze, Poland
e-mail: post@pl.tuv.com

MS-0038294 E-200 rev. 3

Annex to Certificate no.: 01 2627 PL/M-200012.02

Scope according to:		<input checked="" type="checkbox"/> Directive 2014/68/EU, Annex I, point 4.3		<input checked="" type="checkbox"/> AD 2000-Merkblatt W 0						
Manufacturer			Work							
Company name: CHEMAR S.A. Location: K. Olszewskiego 6, 25-953 Kielce, Poland			CHEMAR S.A. K. Olszewskiego 6, 25-953 Kielce, Poland							
Country		PL								
Date		15.12.2023								
Page no.		1 of 3								
Rev.: 2										
TÜV Rheinland Polska Sp. z o.o.										
Pos.	Materials-term Materials-no.	Material specification	Delivery conditions	Article Type of Product	Dimensions			Weight max. 1=t 2=kg ↓	Technical specifications Requirements Technical regulations	Remarks
					Thickness mm	∅ mm				
		from	up to	from	up to	from	up to	8a	8b	
1	2	3	4	5	6a	6b	7a	7b	9	10
1. Materials according to harmonized European standards (hEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU										
The use of the materials according to Directive 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.										
1	GP240GH, G17Mn5, G20Mn5, G20Mo5		+N, +NT, +SR							PMA required in case of the thickness: > 30 mm / > 100 mm / > 150 mm (in correlation with particular material grade)
2	G17CrMo5-5, G17CrMo9-10, G17CrMoV5-10	EN 10213	+NT, +SR	Castings	6	150	15	600	2	3500
3	GX5CrNi19-10, GX5CrNiMo19-11-2		+AT							


 Remarks: +AT = solution annealed
 +AR = as rolled
 +M = thermomechanical treated

 +N = normalized or normalizing formed
 +NT = normalized and tempered
 +QT = quenched and tempered

 +S = soft annealed
 +SR = stress relieved
 A = PMA for the use in pressure equipment in Directive 2014/68/EU necessary

Annex to Certificate no.: 01 2627 PL/M-200012.02

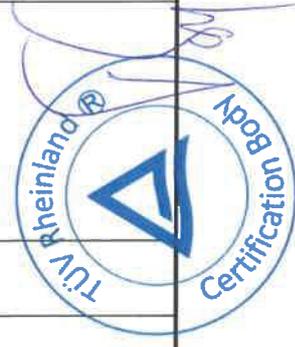
Scope according to:		<input checked="" type="checkbox"/> Directive 2014/68/EU, Annex I, point 4.3		<input checked="" type="checkbox"/> AD 2000-Merkblatt W 0	
Manufacturer		Work		Date	
Company name: CHEMAR S.A. Location: K. Olszewskiego 6, 25-953 Kielce, Poland		CHEMAR S.A. K. Olszewskiego 6, 25-953 Kielce, Poland		15.12.2023	
		Country		Page no.	
		PL		1 of 3	
		K. Olszewskiego 6, 25-953 Kielce, Poland		Rev.: 2	
		TÜV Rheinland Polska Sp. z o.o.			

Pos.	Materials-term Materials-no.	Material specification	Delivery conditions	Article Type of Product	Dimensions				Weight max. 1=t 2=kg ↓	Technical specifications Requirements Technical regulations	Remarks
					Thickness mm	Ø mm	from	up to			
					6a	6b	7a	7b	8a	8b	
1	2	3	4	5	6a	6b	7a	7b	8a	8b	10

2. Materials according to the AD 2000 Code

The use of the materials according to Directive 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.

1	GP240GH, G17Mn5, G20Mn5, G20Mo5	EN 10213	+N, +NT, +SR	6	15	600	2	3500	PMA required in case of the thickness: > 30 mm / > 100 mm / > 150 mm (in correlation with particular material grade) In case of materials for valve bodies the Ad 2000 Merkblatt A4 requirements are to be applied
2	G17CrMo5-5, G17CrMo9-10, G17CrMoV5-10		+NT, +SR						
3	GX5CrNi19-10, GX5CrNiMo19-11-2		+AT						



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Scope according to:		<input checked="" type="checkbox"/> Directive 2014/68/EU, Annex I, point 4.3		<input checked="" type="checkbox"/> AD 2000-Merkblatt W 0				
Manufacturer		Work		Country				
Company name: CHEMAR S.A. Location: K. Oliszewskiego 6, 25-953 Kielce, Poland		CHEMAR S.A. K. Oliszewskiego 6, 25-953 Kielce, Poland		PL				
Pos.	Materials-term Materials-no.	Material specification	Delivery conditions	Article Type of Product	Dimensions	Weight max.	Technical specifications Requirements	Remarks
1	2	3	4	5	6a 6b 7a 7b	8a 8b	9	10

3. Materials according to international standards (e.g. ASTM, ASME, IBR, etc.)

The use of the materials according to Directive 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.

1	WCB, WCC	ASTM A 216/A 216M	+N, +NT, +SR								
2	WC6, WC9	ASTM A 217/A 217M	+NT, +SR								
3	CF8	ASTM A 351/A 351M	+AT								
4	LBC, LCC	ASTM A 353/A 352M	+NT, +SR	castings	6	150	15	600	2	3500	a
5	GE200, GS200, GE240, GS240, GE300	PN-EN 10293	+S, +NT, +SR								
6	GX4CrNi13-4	PN-EN 10293	+NT, +SR								
7	200-400, 200-400W, 230-450, 230-450W, 270-480, 270-480W, 340-550, 340-550W	PN-ISO 3755	+N, +NT								



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