

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
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

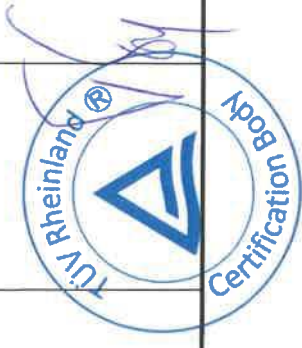
MS-0038294 E-200 rev. 3



© TÜV, TÜV and TÜV are registered trademarks. Utilisation and application requires prior approval.

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

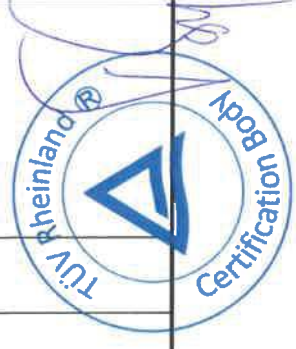
Scope according to:		<input checked="" type="checkbox"/> Directive 2014/68/EU, Annex I, point 4.3		<input checked="" type="checkbox"/> AD 2000-Merkblatt W 0	
Manufacturer		Work		Country	
Company name: CHEMAR S.A. Location: K. Olszewskiego 6, 25-953 Kielce, Poland		CHEMAR S.A. K. Olszewskiego 6, 25-953 Kielce, Poland		PL	
Pos.	Materials-term Materials-no.	Material specification	Delivery conditions	Article Type of Product	Dimensions Thickness mm from up to
					from up to
					6a 6b 7a 7b 8a 8b
1	2	3	4	5	6a 6b 7a 7b 8a 8b
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		
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		
					PMA required in case of the thickness: > 30 mm / > 100 mm / > 150 mm (in correlation with particular material grade)



Remarks: +AT = solution annealed +N = normalized or normalizing formed +S = soft annealed
 +AR = as rolled +NT = normalized and tempered +SR = stress relieved
 +M = thermomechanical treated +QT = quenched and tempered 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		Country	
Company name: CHEMAR S.A.		CHEMAR S.A.		PL	
Location: K. Olszewskiego 6, 25-953 Kielce, Poland		K. Olszewskiego 6, 25-953 Kielce, Poland			
Pos.	Materials-term Materials-no.	Material specification	Delivery conditions	Article Type of Product	Dimensions Thickness mm from up to 6a 6b 7a 7b
1	2	3	4	5	6a 6b 7a 7b
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		+N, +NT, +SR		
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		
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					



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

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		Page no.		TÜV Rheinland Polska Sp. z o.o.	
Company name: CHEMAR S.A. Location: K. Olszewskiego 6, 25-953 Kielce, Poland		CHEMAR S.A. K. Olszewskiego 6, 25-953 Kielce, Poland		PL		1 of 3		Date 15.12.2023 Rev.: 2	
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	from up to	7a 7b	8a 8b	
1	2	3	4	5	6a 6b	7a 7b		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
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						

Remarks:

- +AT = solution annealed
- +AR = as rolled
- +M = thermomechanical

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

+S = soft annealed
+SR = stress relieved
A = PMA for the use