

Certificate

Quality management system for Manufacturer of Materials acc. to Directive 2014/68/EU

Certificate no.: 01 202 USA/Q-06 2856

Name and address of the
certificate holder: **Signicast LLC**
1800 Innovation Way
Hartford WI 53027
USA

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, Par. 4.3, with regard to the materials as listed in the scope of approval.

Test basis: **QM System acc. to EN 764-5, article 4.2**

Audit report no.: 01 202 USA/Q-06 2856

Scope: **Manufacture of components using the investment casting in Austenitic, ferrous and nickel alloys., see annex to certificate**


Manufacturing plant: 800 Innovation Way
USA - Hartford WI 53027

9000 N 55th Street,
USA - Milwaukee WI 53223

1501 S I-45 Service Rd.,
USA - Hutchins TX 75141

Validity: **This certificate is valid from**
2021-08-02 to 2024-08-10.
Initial issuance: 2006

Cologne, 2021-08-02


Dipl.-Ing. (FH) Vela Ruff



Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3		<input type="checkbox"/> EN 764-4		<input type="checkbox"/> AD 2000-Merkblatt W0		<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)				
Manufacturer				Work				Nationality	Date	Page No..		
Company Name: Signicast LLC				1800 Innovation Way Hartford WI 53027				USA	6/28/2021	1	TÜV Rheinland	
Location: 1800 Innovation Way, Hartford WI 53027				9000 N 55 th Street, Milwaukee WI 53223								
				1501 S I-45 Service Rd., Hutchins TX 75141				Rev.: 5	of : 1	GmbH		
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ res ult	Technical Specifications Requirements Technical Regulations	Remarks	
					Thick- ness mm		Ø mm					
					from	Up to	from	Up to				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
1. 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	CF3	ASTM/ASME A/SA351	AT	All -	1	150	25	300	2	90	ASTM/ASME	a
2	CF3M	ASTM/ASME A/SA351	AT	Investment	1	150	25	300	2	90	ASTM/ASME	a
3	CF8	ASTM/ASME A/SA351	AT	Castings	1	150	25	300	2	90	ASTM/ASME	a
4	CF8M	ASTM/ASME A/SA351	AT		1	150	25	300	2	90	ASTM/ASME	a
5	CW2M	ASTM A494	AT		1	150	25	300	2	90	ASTM	a
6	LCC	ASTM/ASME A/SA352	QT		1	150	25	300	2	90	ASTM/ASME	a
7	WCB	ASTM/ASME A/SA216	QT		1	150	25	300	2	90	ASTM/ASME	a
8	M35-1	ASTM A494	U		1	150	25	300	2	90	ASTM	a
Remarks												
+AT = solution annealed & Air Quenched			+NT = normalized and tempered			a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary						
+AR = as rolled			+QT = quenched and tempered									
+M = thermo mechanical treated			+S = soft annealed									
+N = normalized or normalizing formed			+SR = stress relieved									
+U = Untreated												