

Certificate

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

Certificate no.:

01 202 ROK/Q-02 0008

Name and address of the
manufacturer:

DK Corporation
66, Gohyeon-gil 98 beon-gil,
Cheongha-myeon, Buk-gu, Pohang-si,
Gyeongsangbuk-do, Korea.

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.

Tested acc. to
Directive 2014/68/EU:

**QM System acc. to EN 764-5, article 4.2 and
AD 2000-Merkblatt W0**

Audit report no.:

ROK/Q-02 0008

Area of validity:

Manufacturing of stainless steel plates,
see annex to certificate

Manufacturing plant:

DK Corporation
66, Gohyeon-gil 98 beon-gil,
Cheongha-myeon, Buk-gu, Pohang-si,
Gyeongsangbuk-do, Korea.

Valid until:

April 30, 2023

Cologne, December 13, 2019


Dipl.-Ing. (FH) Roman Alexander Meyers



TÜV Rheinland Industrie Service GmbH
Notifizierte Stelle für Druckgeräte, Kennnummer: 0035
Am Grauen Stein, D-51105 Köln

E-008-D-Rev22



Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input type="checkbox"/> EN 764-4	<input checked="" type="checkbox"/> AD 2000-Merkblatt W0	<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)									
Company Name: DK Corporation		Work		Page No..										
Location: 66, Gohyeon-gil 98 beon-gil, Cheongha-myeon, Buk-gu, Pohang-si, Gyeongsangbuk-do, Korea		Pohang		TÜV Rheinland Industrie Service GmbH										
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions			Weight max	Technical Specifications Requirements	Remarks				
					Thick-ness mm	Ø mm								
1	2	3	4	5	from	Up to	6a	6b	7a	7b	8a	8b	9	10
<p>1. Materials according to harmonized European standards (hEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU</p> <p>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.</p>														
1	Austenitic Stainless Steel	EN10088-2	+AT	Plates	-	75	-	-	1	10	EN10028-7	For thickness above 75mm, the mechanical properties can be agreed at the time of enquiry and order.		
Remarks	+AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed +A = solution treatment and quenched		+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 §4.3	<input type="checkbox"/> EN 764-4	<input checked="" type="checkbox"/> AD 2000-Merkblatt W0	<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)							
Manufacturer											
Company Name:	DK Corporation										
Location:	66, Gohyeon-gil 98 beon-gil, Cheongha-myeon, Buk-gu, Pohang-si, Gyeongsangbuk-do, Korea										
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions	Weight max	Technical Specifications	Remarks	Nationality	Date	Page No..
1	2	3	4	5	6a 6b 7a 7b	8a 8b	9	10	Korea	Dec.03, 2019 Rev.: 8	3 of : 3

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

The use of the materials according to DGR 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	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
Austenitic Stainless Steel	DIN17440	+AT	Plates	-	75	-	-	-	1	10	DIN17440, RCC-MR SEC.2	The materials meet the general mechanical and technological requirements to the PED. The pressure equipments manufacturer must define the specific operation condition. As applicable, the pressure equipment manufacturer or the notified body involved has to agree(See PED, Annex I , sec. 4.2) The thicker wallthickness can be delivered with PMA. See 'a'.
Austenitic Stainless Steel	ITER_D_2DYSY6 V1.4	+AT	Plates	-	100	-	-	-	1	15	-Chapter RM3331, ASME/ASTM	
Austenitic Stainless Steel	ASME/ASTM	+AT	Plates	-	160	-	-	-	1	15	240(M), JIS G4304	
Austenitic Stainless Steel	JIS G4304	+AT	Plates	-	160	-	-	-	1	15	SUS304 & SUS316L	
Results	+AT = solution annealed +AR = as rolled +M = thermo mechanical 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	