


QM-System: Certification as per ISO 9001

Erläuterungen siehe Rückseite/Explications voir au verso/See reverse for explanations (www.dillinger.de/certificate)

A02 INSPECTION CERTIFICATE 3.1 AS PER EN 10204:2004 INSPECTION CERTIFICATE 3.1 AS PER ISO 10474:2013 MATERIAL TEST REPORT (MTR)		A10 Advice of dispatch No./ Date of dispatch 657715-09.11.18	A08/ Manufacturer's order/ A03 Certificate No. 439584-004-1	Sheet 1/...
A05 Established Inspecting body DH	A06 Purchaser Final receiver	A07.1 No. 	B01 Product HEAVY PLATES	
B02/ Steel design. S355K2+N/S355J2+N		AD2000-W1:06		
B03 Any suppl. requirements EN-10025-2:04/JE11:REV.0				

**B01-B99 Description of the product**

B14 Item No.	B08 Number of pieces	B09 Thickness	B10 Width	B11 Length	B12 Theoretical mass KG	B04 Product delivery condition	B07.2 Heat No.	B07.1 Rolled plate No./ Test No.	A09 Purchaser article number
03	1	100,00	2500	12000	23550	N	464508	91145-01	1002490
03	1	100,00	2500	12000	23550	N	464508	91146-01	1002490
**	2				47100				
***	2				47100				

**B06 Marking of the product**

ITEM NO.: 03  
STEEL DESIGNATION S355K2+N S355J2+N  
HEAT NO. / TRADEMARK / ROLLED PLATE NO.-TEST NO. / INSPECTOR'S STAMP

**C10-C29 Tensile test**

B14 Item No.	B07.2 Heat No.	B07.1 Rol.plate/ Test No.	B05 Reference (heat) treatment	C01	C02/ C01	C03 Temp. GR.C	C10 MPA REH	C11	C12	C13	A % L0=5D	C14-C15
03	464508	91145		K4	Q	RT	360		509		31	
03	464508	91147 *		K4	Q	RT	362		511		30	
03	464508	91148 *		K4	Q	RT	357		506		29	

**C40-C49 Impact test**

B14 Item No.	B07.2 Heat No.	B07.1 Rol.plate/ Test No.	B05 Reference (heat) treatment	C01	C02/ C01	C03 Temp. GR.C	C41 Width of test piece	C40 Type of test piece	C44 Testing method	C46 Energy Joule	C45	C42 Individual values AV=J	C43 Mean value
03	464508	91145		K4	LO	-20		CHP-V		750	AV 2	224 182 205	204
				K4	LO	-40		CHP-V		750	AV 2	193 150 205	183
03	464508	91147 *		K4	LO	-20		CHP-V		750	AV 2	220 232 213	222
				K4	LO	-40		CHP-V		750	AV 2	197 208 187	197

A04 Z01/Z02/Z03 We hereby certify, that the above mentioned materials have been delivered in accordance with the terms of order.



*B. Baldauf*



AG der Dillinger Hüttenwerke  
Postfach 1580, D-66748 Dillingen/Saar  
Inspection department

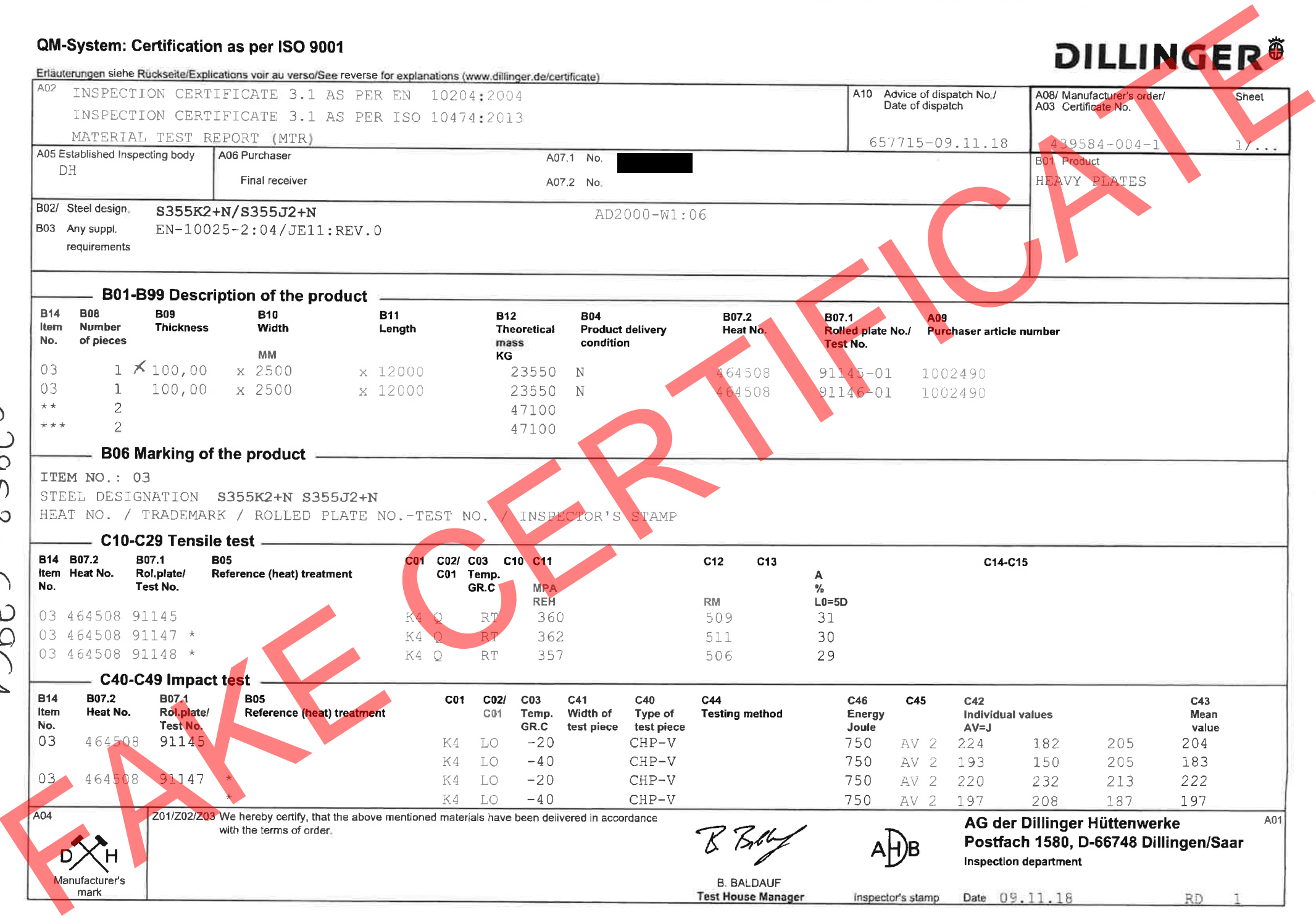
B. BALDAUF  
Test House Manager

Inspector's stamp

Date 09.11.18

RD 1

C7952 - C7961



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A05 Established inspecting body DH	A06 Purchaser Final receiver	A07.1 No. <span style="background-color: black; color: black;">XXXXXXXXXX</span> A07.2 No.	B01 Product HEAVY PLATES	
B02/ Steel design. B03 Any suppl. requirements	<b>S355K2+N/S355J2+N</b> EN-10025-2:04/JE11:REV.0	AD2000-W1:06		

**C40-C49 Impact test**

B14 Item No.	B07.2 Heat No.	B07.1 Rol.plate/ Test No.	B05 Reference (heat) treatment	C01	C02/ C01	C03 Temp. GR.C	C41 Width of test piece	C40 Type of test piece	C44 Testing method	C46 Energy Joule	C45	C42 Individual values AV=J	C43 Mean value		
03	464508	91148	*	K4	LO	-20		CHP-V		750	AV 2	215	206	224	215
			*	K4	LO	-40		CHP-V		750	AV 2	228	211	208	216

**C40-C49 Further information about impact test**

ITEM NO.: 03  
IMPACT TEST AT -40 GR.C FOR INFORMATION ONLY.

**C70-C99 Chemical composition % - Heat analysis**

B07.2 Heat	C70	C	SI	MN	P	S	N	CU	MO	NI	CR	V	NB	TI	AL-T
464508	Y	0,125	0,537	1,559	0,012	0,0007	0,0028	0,014	0,010	0,029	0,037	0,000	0,017	0,004	0,043

**C94 Heat analysis Carbon equivalent / Alloying restrictions**


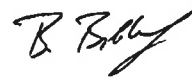
B07.2 Heat  
464508  
FO-02= 0,40

**C70-C99 Further information about product analysis**

ITEM NO.: 03  
HYDROGEN MAX. 2,5 PPM ON PRODUCT


**C94 Carbon equivalent formula / Alloying restrictions**

FO-02 = C+(MN/6)+(CR+MO+V)/5+(NI+CU)/15

A04  Manufacturer's mark	Z01/Z02/Z03 We hereby certify, that the above mentioned materials have been delivered in accordance with the terms of order.	 B. BALDAUF Test House Manager	 Inspector's stamp	AG der Dillinger Hüttenwerke Postfach 1580, D-66748 Dillingen/Saar Inspection department	A01
		Date 09.11.18	RD	1	

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A05 Established inspecting body DH	A06 Purchaser Final receiver	A07.1 No. 	B01 Product HEAVY PLATES	
B02/ Steel design.	S355K2+N/S355J2+N	AD2000-W1:06		
B03 Any suppl. requirements	EN-10025-2:04/JE11:REV.0			

**D01 Marking and identification, surface appearance, shape and dimensional properties**

ITEM NO.: 03  
 EXAMINATION OF MARKING, SURFACE, SHAPE AND DIMENSIONS: THE RESULTS MEET THE REQUIREMENTS.  
 SURFACE AS PER EN-10163-B3  
 THICKNESS AS PER EN-10029:10-B  
 LENGTH AND WIDTH AS PER JEBENS09-12  
 FLATNESS AS PER EN-10029:10-T4L

**Z04 Environmental product declaration for structural steel**

ITEM NO.: 03  
 For structural steel plates from Dillinger Hütte a validated environmental product declaration according to ISO 14025 and EN 15804 was established: BFS-20130094-IBG1-EN-RC1. Further information can be found under www.dillinger.de/EPD-E/.

A04 Z01/Z02/Z03 We hereby certify, that the above mentioned materials have been delivered in accordance with the terms of order.



*B. Baldauf*

B. BALDAUF  
Test House Manager



Inspector's stamp

**AG der Dillinger Hüttenwerke**  
 Postfach 1580, D-66748 Dillingen/Saar  
 Inspection department

Date 09.11.18

RD 1



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**DILLINGER** 

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A05 Established inspecting body DH	A06 Purchaser Final receiver	A07.1 No. 61028305 A07.2 No.	B01 Product HEAVY PLATES	
B02 Steel design. S355K2+N/S355J2+N	AD2000-W1:06			
B03 Any suppl requirements EN-10025-2:04/JE11:REV.0				

**Z04 CE-marking**

ITEM NO. : 03

 <b>0769</b>	<b>EN 10025-1:2004</b>  <b>Plate S355K2 / 1.0596</b>  <b>to be used in welded, bolted and riveted structures</b>
<b>DILLINGER</b>   <b>AG der Dillinger Hüttenwerke</b> <b>Postfach 1580, D-66748 Dillingen/Saar</b>  <b>18</b>  <b>S355K2_EN10025-2-04_B_160101E1</b>	<b>Tolerances on dimensions and shape</b> <b>Elongation</b> <b>Tensile strength</b> <b>Yield strength</b> <b>Impact strength</b> <b>Weldability</b> <b>Durability (chemical composition)</b>
<b>expressed as declared in the DoP</b>  <b>S355K2_EN10025-2-04_B_160101E1</b>	

The declaration of performance can be downloaded from [www.dillinger.de/dop/S355K2\\_EN10025-2-04\\_B\\_160101E1.pdf](http://www.dillinger.de/dop/S355K2_EN10025-2-04_B_160101E1.pdf)

A04  Manufacturer's mark	Z01/Z02/Z03 We hereby certify, that the above mentioned materials have been delivered in accordance with the terms of order.	 <b>B. BALDAUF</b> <b>Test House Manager</b>	 <b>Inspector's stamp</b>	<b>AG der Dillinger Hüttenwerke</b> <b>Postfach 1580, D-66748 Dillingen/Saar</b> <b>Inspection department</b>	A01
		Date 09.11.18	RD 1		