MESSRS	KITZ Val	ve & Actuat	ion (Malay	sia) Sdn Bhd	ana ang ang ang ang ang ang ang ang ang		Certificate No. XTK180111-24-01-02
DELIVER To		***************************************		· · · · · · · · · · · · · · · · · · ·	······································)—————————————————————————————————————
JOB NAME			, and the state of the state o	nama Napagewa e e e e e e e e e e e e e e e e e e	III TA NISHON SEMAN DESHADQI EMPARATING S		Date : 2019/01/08
JOB No.				<u></u>			
P. O. No.	KVM0018						KITZ
PRODUCT CODE	UTKM11/2						
<u> </u>							
SPECIFICATION					MAIN PART	·s	
Manuf No.	XTK18011	-24				e of parts	Material
Description	SCREWED E	CAST STAIN ENDS	LESS STEEL	BALL VALVE	001 BOD	Y	Gr. CF8M
Figure	UTKM11/2		·····				
Size	11/2			inch (B)			
Quantity	24						
Valve No.		,,.,					***************************************
Item No.	24		***************************************		 		
Kiki No.							
TEST			· · · · · · · · · · · · · · · · · · ·				
Pressure test	Judge.	Inspecti	on fluid a	nd pressure	Item	Judge.	Attached sheet
Shell	Good	Hydro	6.2	MPa	Material	Good	Material Test Result
		Air	hen		Dimension	Good	
Seat	·	Hydro			Visual	Good	

	Good	Air	0. 6	MPa	Operation	Good	
Back seat		Hydro		·			
		Air					

		······································		***************************************			
NONDESTRUCTI					h	······································	
Type of examin	nation and	udgement		Attached she	et		
REMARKS				1	Company to the company of the compan		
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		Witnessed	by		ļs	UDIC SEE	PORATION anager

MESSRS	3		KITZ	Valve	& Actu	ation (Malays	ia) S	dn Bhd							ate No. 1-24-01	-02-Z1	1
JOB NA	ME						***************************************					***************************************	***************************************	·	***********	2019/0		
JOB No),													*				
P. 0. No).		KVM00 UTKM1												K	17		
PRODUC	, GUDI	-	VIVW1	1/2														
Figure	ı IITK	M11/	2								Va	lve No.						
				351 Gr	. CF8	V						em No.	24					
No. Cha	arge N			Displ			Name (of Pa	rts					1				
1 L8 2 V8	YKM GRM			i			BODY BODY				! ! !			! ! !				
3											! ! !			! ! !				
4 CHEMI	CAL C	OMPO	SITIO	N %	········		L				1					, , , , , , , , , , , , , , , , , , , ,		
Elemer	nt C		Mn	Si	S	<u>TP</u>	Ni	Cr	Мо									
No. Spe	c. Ma 0.		Max 1, 50	Max 1.50	Max 0 040	Max 0 0, 040	9.0	18.0 21.0										
1	0.	05	0. 73	1. 20	0.006	0.034	10.0	18. 7	2.6									
2	0.	05	1. 10	0. 69	0.007	0. 031	9.7	18.4	2. 4									1
4					-	<u> </u>	<u> </u>		<u> </u>							<u> </u>		
Elemer Spe								<u> </u>										
No	_							 										
2																		
3 4																		İ
	ON TE	ST			1	······································						IMPAC	T TEST				<u> </u>	
Item					Tei MF	nsile str	Yield s MPa	itr. E	longatio	on		-			-			
Unit Spec.					Mi	n	Min	ħ	l in		inimniuingiragi			• *************************************				
No. 1					48 5		205 244		30 50						-			
2 3					53		250		48									
3 4																		
Item	L		T	<u> </u>				 					T				isHeleb dsHelebdd	
Unit																		
Spec.																		
1								***************************************										
2																		
4													<u> </u>					
HEAT No. Spe			1040	, C. MO														
1 ST:	10801)*1. 5	h ₩Q			: '												
2 ST:	1080° (C*1.5	sh WQ															
4												0.0.1	,		0.11	A 11	<u></u>	
	ormaliz Water G		hing		nneali Oil Qu	ng enching			pering ater Co	oling		0:Quench FC:Furna	ıng .ce Cooli			Cooling ution T		
REMAR												Tan a				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
EN1020)4 Typ	e 2.7	2			CE	RTFE	DI	RUE C	OPY		87D. A						
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			y			***************************************				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	VQ.						***************************************	
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				R	eviewe	ed by		-				KIT	Z COI	RPOR Manager	ATI	ON		

MESSRS	KITZ VAL	VE & ACTUAT	ION (MALAYS	IA)	<u> </u>			Certificate XTK180010-4	No.
DELIVER To		, <u>, , , , , , , , , , , , , , , , , , </u>						Date : 2	
JOB NAME							**	<u> </u>	010/ 04/ 20
JOB No.								1.01	
P. O. No.									ITZ
PRODUCT CODE	UTKM2							• • •	
·									
SPECIFICATIO	ON				MAIN	PARTS	}		
Manuf No.	XTK18001	0-44					of parts	Material	
Description	SCREWED	CAST STAIN ENDS	LESS STEEL	BALL VALVE	001	BODY		Gr. CF8M	
Figure	UTKM2				·				
Size	2			inch (B)					
Quantity Valve No.	64	<u>. </u>	 						
vaive No.	ļ								
Item No.	44						· · · · · · · · · · · · · · · · · · ·	- 	
Kiki No.									
TEST									
Pressure test	Judge.	Inspecti	on fluid a	nd pressure	Item		Judge.	Attached sh	naat.
Shell	Good	Hydro	6.2	MPa	Materi	al	Good	Material Te	
		Air	-		Dimens	ion	Good		<u> </u>
Seat		Hydro	_		Visual		Good		
	Good	Air	0. 6	MPa	0perat	ion .	Good		· ,
Back seat		Hydro	-						
		Air	-						
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NONDESTRUCTI	VE EXAMINA	ATION						· · · · · · · · · · · · · · · · · · ·	
ype of examir				Attached shee	et		· · · · · · · · · · · · · · · · · · ·		
REMARKS									
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		Witnessed	by	-		Ki	TZ CORI	PORATION	7

MESSRS	;		KITZ	VALVE &	& ACTUA	TION (M	ALAYS I	A)] [Certi XTK18	fica	ate No.	I-01-Z1	
JOB NA	ME															7 -			2018/		
JOB No	١.			"		•										} ~					
P. O. No PRODUC		ODE	UTKM2													7	ľ	⋖		72	
PRODUC) U	UDE	UTINIZ														•				
Figure		JTKM2							Va	lve N	0.						•	Ite	m No.	44	
			TM A		. CF8M															••••	
No. Cha		No.		Displ	ay No.		Name of BODY	of Pa	arts	3					•						-
2 K7Y	/RM						BODY														
3 K79 4 K7Z				,			BODY BODY														
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Elemen	ıt	C	Mn	Si	S	P	Ni .	Cr		Мо	1	\Box									
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1		0.06	1. 26	0. 75	0.005	0. 039	9. 9	18.	9	2. 4											
2 3		0. 06 0. 07	0. 95 0. 84	1. 02 1. 09	0. 007 0. 005	0.034	9. 2 9. 4	18. 18.	4	2. 1 2. 4											
4		0.06	0.89	1.09	0.005			18.		2. 0					ļ	_				<u> </u>	
Elemen Spe							_					\dashv				+					
No.	_						·	<u> </u>				_				+					
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3 4																					
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Item							Yield s			gation											
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1 2					539 5 4 1		237 359	i	49 37												
3 4					583 563	}	359 364		48 44												
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MESSRS	KITZ VAL	VE & ACTUAT	ION (MALAYS	IA)				Certificate No. XTK180081-11-01-01	
DELIVER To			<u></u>		. 			Date : 2018/11/14	
JOB NAME									
JOB No.					<u>.</u>				7
P. O. No.	KVMSTOCK	AUG18						KIT2	
PRODUCT CODE	UTKM1			<u></u>					
SPECIFICATION	ON				MAIN	PARTS			
Manuf No.	XTK18008	1-11.		-			of parts	Material	_
escription	TYPE 600 SCREWED	CAST STAIN ENDS	LESS STEEL	BALL VALVE	001	BODY		Gr. CF8M	
igure	UTKM1								
Size	1			inch (B)					
luantity	576								
/alve No.									
tem No.	11						····	·	
iki No.							·		
TEST									
ressure test	t Judge.			nd pressure	Item		Judge.	Attached sheet	
hell	Good	Hydro	6. 2	MPa	Materi	al	Good	Material Test Result	******
		Air	-		Dimens	ion	Good		
eat		Hydro			Visual		Good		
	Good	Air	0.6	MPa	Operat	ion	Good		
ack seat		Hydro	-						***
		Air	-						
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<u>ONDESTRUCT</u> /pe of exami				Attached shee	et				
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EMARKS				<u> </u>					
	E TEST BY H	YDRAULIC SH	LL TEST H.	AS BEEN PERFORM	MED				
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		Witnessed	by			K	ITZ COR	PORATION	

MESSRS	3	KITZ	VALVE 4	& ACTUA	ATION (M	ALAYSI	A)									icate No 081-11-0		1
JOB NA	/ME													7 -		: 2018/		
JOB No	`													┦ ~				
P. O. No		KVMST	OCKAUG	18										1			P 7	•
	CT CODE	UTKM1		· · · · · · · · · · · · · · · · · · ·		···········									7	>	JÆ	

Figure	UTKM1				h			Valv	∕e No.			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			I	tem No.	11	
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	arge No. 7RM		Displ	ay No.		Name (BODY	от Ра	rts			;				-			
2 K8						BODY					1				[[]			
3 K89	9RM					BODY				•	-				-			İ
4 V8		_				BODY					!				ļ			
	CAL COMP			T_	T			1										
Elemen		Mn	Si	\$	P	Ni	Cr	M			-	+-	+	+	_		 	
No. Spe	.c. Max 0.08	Max 1.50	Max 1.50	Max 0 040	Max 0. 040	9.0 12.0	18. (21. (1 2	. 0 . 0									
1	0.05	1. 02	0. 83	0.004			18./9	2	. 3			1						
2	0. 07	0.89	1.00	0.007	0.036	9. 2	18. 3	$\bar{2}$	3 1			1						
3	0. 05		1. 23	0.007	0.031	9.2	18. 5	5 2	3									
4 Elemer	0. 05	1. 20	0. 69	0.005	0. 029	9.4	19. 2	2 2	. 4					+-				
Spe No.											<u> </u>							
1								-									 	
2																		
3																		
4 TENCI	ON TECT			<u> </u>	·							THEAT	T TEST					
Item	ON TEST		ı	Tan	sile str	Vield s	tr li	Elong	ation	1		IMPAU	T TEST	Т				
Unit				MPa		MPa		%	arion	1				_				
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Spec.					ŀ													
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3 4																		
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	1080° C*11																	
4 ST:	1080° C*1.	5h WQ																
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MESSRS	KITZ VAL	VE & ACTUAT	ION (MALAYS	SIA) SDN. BHD				Certificate No. 1020287891-003-01-01
DELIVER To				 				Date : 2020/05/11
JOB NAME			1714 111 		***************************************		######################################	
JOB No.				W.,				
P. O. No.	MXS20000)40						KITZ
PRODUCT CODE								• • • • • • • • • • • • • • • • • • • •
SPECIFICATIO	``\				MA TAI	DADT/		
lanuf No.	10202878	91-003	**************************************		MAIN No.		of parts	Matarial
escription	TYPE 600 SCREWED	CAST STAINL	ESS STEEL	BALL VALVE		BODY	oi parts	Material Gr. CF8M
						<u> </u>		
igure	UTKM1/2							
ize Wantity	1/2		***************************************	inch (B)		<u> </u>		
alve No.	1080					ļ		
aive No.								
tem No.	3					 	· · · · · · · · · · · · · · · · · · ·	**************************************
liki No.								
TEST								
ressure test	Judge.	Inspection	on fluid ar	nd pressure	Item		Judge.	Attached sheet
hell	Good	Hydro	6. 20	MPa	Mater	ial	Good	Material Test Result
		Air	1944		Dimen	sion	Good	The second secon
eat		Hydro			Visua	1	Good	
	Good	Air	0. 6	MPa	Opera:	tion	Good	
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		Air	_					
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e .						4	2.0	
	***************************************	Witnessed	by	•		K	ITZ COR	PORATION anager

MESSR	S		KITZ	VALVE (& ACTU/	ATION (MALAYS	IA) S	DN. B	HD							icate 1 17891-00	lo. 03-01-01	<u>-Z1</u>
JOB N	AME									***************************************		***************************************			7 -		: 2020		···········
JOB N	0.				**************************************														
P. O. N	o. CT COD		MXS200	00040					***************************************	*************************************							CI.	Ti	
PRODU	01 000	L							······································							•			
Figur	e UTI	(M1/2										Valv	e No.						
				351 Gr	. CF8N							Item	·····	3	***************************************				
No. Ch	arge N			Displ	ay No.		Name o	of Pa	rts			·				,			
2 D0	3-5M 2RM			DO3RM DO2RM			BODY BODY] 				1			
3												ÿ R V				1			
4 CHEM	ICAL (-AMPA	SITIO	AF QC			<u> </u>					i				<u>i</u>			
Eleme			Mn	Si	S	ĮΡ	Ní	Cr	Mo		***************************************								
No.			Max 1, 50	Max 1.50	Max	Max 0.040	9.0	18. 0 21. 0											
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No.	50.													-	·····				
1 2																			
3																			
4 TEMO	ION TE	CT.						<u> </u>	······································	liga and real-traitme			THOAA	T TEOT					
Item	IUN IE	31			Ten	sile str.	Yield s	tr. E	onga	tion		1	IMPAU	T TEST					
Unit				***************************************	MP	a	MPa	(%					inim minoritaritari					
Spec.					Mii 48		Min 205		Win 30										
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2 3					58	U	356	ľ	44										
4	<u> </u>																		
Item Unit	ļ								- Kolonios Katolania										
Spec.			1								_				<u> </u>	+		 	
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1 2																			
3 4																			
	TREAT	MENT	°C											<u> </u>			***************************************		······································
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2 ST: 3 4																			
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				R	eviewed	d by							KIT	Z CO	RTC Manage)RAT	rion		

INSPECTION CERTIFICATE (\pcs)

JOB NAME JOB No. P. O. No. PRODUCT CODE	MYC2000G							1020287891-004-01-01
JOB No. P. O. No. PRODUCT CODE	MV220000							Data 2020/05/11
P. O. No. PRODUCT CODE	MVC20000		**************************************	 	***************************************	Marien e e e e e e e e e e e e e e e e e e		Date: 2020/05/11
PRODUCT CODE	MVCOOOO	·····		·				1.41577
	MXS20000)40						KITZ
			7	PP-1-11-11-11-11-11-11-11-11-11-11-11-11				
SPECIFICATION	N				MAIN	DADTO	·	
Manuf No.	10202878	91-004	···				of parts	Material
Description		CAST STAIN	ESS STEEL	BALL VALVE		BODY	VI PAILS	Gr. CF8M
Figure	UTKM11/2							
Size	11/2			inch (B)				
Quantity	72							
Valve No.								
Item No.	4	·						
Kiki No.								
TEST								
Pressure test	Judge.	Inspecti	on fluid a	nd pressure	Item		Judge.	Attached sheet
Shell	Good	Hydro	6. 20	MPa	Materi	al	Good	Material Test Result
		Air	New York Control of the Control of t	***************************************	Dimens	ion	Good	
Seat		Hydro	·	***************************************	Visual		Good	
	Good	Air	0. 6	MPa	Operat	ion	Good	
Back seat		Hydro						
		Air	-					
			******	***************************************	***************************************			
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VONDESTRUCTIV				Attached shee	.+	<u>.</u>		
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		VECTIC	TO TOUR	· 0004 / 500	*			
		CEKIIF	IED IKUE	COPY	avoczi (S)			
<u> </u>	 	- M. January (19 14)			······································		7 111	
	**************************************	Witnessed I	by	•		K	TZCOR	PORATION anager

MESSRS			KITZ	VALVE (& ACTU	ATION (MALAYS	IA) SE	ON BHD		ombade medical entre entre entre entre entre entre entre entre entre entre entre entre entre entre entre entre			icate No 17891-004		71
JOB NA	ME			***************************************										; 2020/	***************************************	
JOB No		***************************************														2
P. O. No PRODUC		ODE	MXS20	00040		~ ~~~~~	****						ľ	(17	54	
						*****							_	-		
Figure	j	JTKM11	/2								Valve No.					
			TM A 3		. CF8N						Item No.	4				
No. Cha 1 D9Z		∍ No.		Displ D9ZRM	ay No.	· »	Name of BODY	of Par	ts		1		i			
2 A9Y	'RM						BODY									
3 D01 4	RM			DO1RM			BODY						;			
			OSITIO													· · · · · · · · · · · · · · · · · · ·
Elemen Spe		C Max	Mn Max	Si Max	S Max	P Max	Ni 9. 0	Cr 18. 0	Mo 2.0							
No,	_	0, 08	1, 50	1.50	0.040	0.040	12.0	21.0	3.0							
2		0. 05 0. 06		1. 07 0. 91	0.012	0.031	9.1	19. 1 18. 3	2. 2							
3 4		0. 05		0, 99	0. 008	0. 030	9.1	19.0								
Elemen	t		<u> </u>	L		<u> </u>							<u> </u>			<u> </u>
Spec No.	o.															
1		**************************************						1			*************	***************************************				•
2 3																
4					<u></u>	·		<u> </u>			w ic tops 2.4					, , , , , , , , , , , , , , , , , , ,
TENSION I TENSION	UN	TEST		Γ	Ten	sile str	Yield s	tr F	longatio	. T	IMPAC	T TEST				
Unit		hairirminimminimi	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		MP	a	MPa	1%				***************************************				
Spec.					Mi 48		Min 205		lin O							
1 2					58 58		357 375	4	4							
3					58		357	4	3							
4							<u> </u>									<u> </u>
Item Unit										-		 				
Spec.									1							
No. 1		·····			-										,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
2 3																
4		·														
HEAT]				* O WO						·						
	110	0° C*13	n 1040 B5min W	Q												
			Omin WQ 85min W													
4						····										
		lizing r Quen			nnealir Oil Que	ng enching			pering ter Coo	ling	Q:Quench FC:Furna	ing wce Coolin		Air Coolir Solution		t
REMAR			***													,
EN1020	4 T	ype 2.	2		CE	RTIFIE	d Tru	JE CC)PY/	\$10. 0-981	* AND SEE					
		+		······································						1/8	- 19		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		·····	
						J L		_				- []	RPORA			
				R	eviewe	ару					ra i		KTOKA Manager	; IUN		

MESSRS	KITZ VAL	VE & ACTUAT	ION (MALAYS	IA)			Certificate No. XTK180081-13-01-01
DELIVER To			·				Date : 2018/11/29
JOB NAME							2000 2010, 11, 20
JOB No.				<u>.</u>		·	
P. O. No.	KVMSTOCK						KITZ
PRODUCT CODE	UTKM11/2						- · · · · · · -
SPECIFICATION	NN .				MAIN PART	·····	•
Manuf No.	XTK18008	1-13	<u></u>			e of parts	Material
Description		CAST STAIN	ESS STEEL	BALL VALVE	001 B0D		Gr. CF8M
igure	UTKM11/2						
Size	11/2			inch(B)	 		
Nuantity	24			111011 (0)			
alve No.							
Item No.	13						
(iki No.							
TEST							
Pressure test	Judge.	Inspecti	on fluid a	nd pressure	Item	Judge.	Attached sheet
Shell	Good	Hydro	6. 2	MPa	Material	Good	Material Test Result
		Air	-		Dimension	Good	
eat		Hydro	-		Visual	Good	
	Good	Air	0. 6	MPa	Operation	Good	
ack seat	-	Hydro	-				
		Air	-				
					-		
ONDESTRUCT: ype of exami				Attached -b-	<u></u>		
The OL SYSULL	nation and	Juagament		Attached shee	; L		
				<u> </u>	·		
REMARKS EPRESENTATIV	F TEST BY H	YDRAULTO SHI	II TEST H	AS BEEN PERFORM	IFD.		
.—. ((,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	_ 1201 01 11	PERMITTY OFF	ILVI 10	TO DELIN LENI ORIN	IL U		
		CI	ERTIFIED	TRUE COPA	8.10 x	,	
				þ	N. Control	1	
					•	2.0	
		Witnessed	by	-	ŀ		PORATION fanager

MESSRS	KITZ VALVE	& ACTUATION (M	ALAYSIA)					Certifi XTK1800	cate <u>No.</u> 81-13-01-	-01 - Z1
JOB NAME								•	2018/1	
JOB No.										
P. O. No.	KVMSTOCKAU	G18							717	Z
PRODUCT CODE	UTKM11/2								5 1 1	
Figure UTKM11	/2			Valve No.				[[-	tem No.	13
Material AS	TM A 351 (Gr. CF8M								
No. Charge No.	Disp	lay No.	Name of I	Parts	· · · · · · · ·			··· !		
1 V86RM 2 3 4			BODY							
CHEMICAL COMP										
Element C	Mn Si	S P	Ni Cr						-	
Spec. Max No. 0.08	Max Max 1.50 1.50	Max Max 0.040 0.040		.0 2.0 .0 3.0						
1 0.05	1.10 0.69			. 4 2. 4						
2 3							Ì			
4]			<u></u>			L				
Element Spec.										
No.										
1 2										
3										
TENSION TEST			ļ			IMPACT	TEST			
Item		Tensile str		Elongation						
Unit		MPa	MPa	<u>%</u>		_				
Spec. No.		Min 485	Min 205	Min 30				•		
1 2		539	250	48						
3 4				:						!
Item			<u> </u>		<u> </u>	<u> </u>		<u> </u>		
Unit										
Spec. No.									ļ	
1										1.00.00
2 3										
4									<u>, </u>	
HEAT TREATMEN		· ·								
1 ST:1080°C*1.	n 1040°C WQ 5h WQ									
2 3 4										
N:Normalizing		Annealing		Tempering :Water Cooli	ng	Q:Quenching FC:Furnace			ir Cooling Slution Tr	
WQ:Water Quen	oning 0	Q:Oil Quenching	γ۲C	Hatel OUULI	Λ	TO THI HAGE	JUUTING	١٠٠١	STRETOH H	od ciliolit
EN10204 Type 2	. 2	ACAT	ነር ነሮሴ ቸቦ	HE CODY		# 1				
		CERI	IFIED IN	LUE COPY	h (E(物周				
					1					

							W.	سير برياسه		
		Reviewed by				KİTZ	CORI QC Ma	ORAT	ion	