

FEC CHAIN

CORPORATION

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TEST CERTIFICATE

Distributor:	code #: 1080	distributor's name: ASAO & CO., LTD
Customer:		customer's name: LK HOIST CO.,LTD
Article name: (Application)	Load chain for electric chain hoist	
Spec. standard	☐ DIN EN 818-7:2002 , ☐ JIS B 8812:1999 ☐ ISO 3077 , ☒ FEC	
Material spec.:	SAE15B24(Mn-B steel)	
Finish:	☒ temper-colored, ☐ zinc-plated, ☐ coated() ☐ zinc-phosphated, ☐ manganese-phosphated ☒ oiled, ☐ no-oiled	
Stamping:	☐ FEC standard, ☒ customer's request → LK, JAPAN , (Lot #), FEC#	
Product code#:	FCD07121	
description:	φ 7.1*P21	
quality type	G80/ type-DAT	

			Result
Dimention:			
Nominal diameter(dn)	[mm]	7.1 +0.0/-0.3	7.0~7.1
Internal width,min.:	[mm]	8.8	9.2~9.5
external width, max.:	[mm]	23.6	23.4~23.5
Nominal pitch 1 t	[mm]	21.0 +0.3/-0.1	21.0~21.2
5 t	[mm]	-	-
11 t	[mm]	231.0 +0.3/-0.7	230.7~231.3
Diameter at the weld(ds), max.:	[mm]	7.6	7.4~7.5
Mechanical properties:			
Working load limit(WLL), max.:	[kg]	1200	-
(drive mechanism g		-	-
Manufacturing proof force(MPF), min.:	[KN]	40	40
Stress at min. MPF		-	-
Guranteed breaking force(BF), min.:	[KN]	63	67~74
Stress at min. BF		-	-
Total ultimate elongation(A), min.:	[%]	10	13~17
Surface hardness/HV3, min.:	[-]	500	565~616
/HV5, min.:	[-]	-	-
Hardness /HRC, min.:	[-]	-	-
Case depth,min.:	[mm]	0.14	0.18~0.20
Bend deflection(f),min.:	[mm]	no visible defect	OK
Fatigue resistance, min.:	[cycle]	2*10 ⁶	OK
Packing:			
Weight per meter:	[kg/m]	1.1	
Length 1	[meter]	200m-60/pcs	
2	[meter]	-	
Packing	-	Steel barrel	

I hereby certify above all is true.

M. Ota

MASAYUKI OTA
Quality Assurance Dept.,
Chief Inspector

issued date: November 20,2009

[Note]