FEC CHAIN CORPORATION

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TEST CERTIFICATE

Distributor: / Customer:	code #: 1080	distributor's name: ASAO & CO., LTD 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#: description: quality type	FCD09528 φ9.5*P28 G80/ type-DAT			
Dimention:				Result
	Nominal diameter(dn)	[mm]	9.5 +0.1/−0.5	9.4～9.5
	Internal width,min.:	[mm]	11.7	12.1～12.2
	external width, max.:	[mm]	31.5	30.9～31.0
	Nominal pitch 1 t	[mm]	28.6 +0.36/−0.2	28.6～28.7
	5 t	[mm]	−	−
	11 t	[mm]	314.6 +1.0/−0.5	314.6～315.5
	Diameter at the weld(ds), max.:	[mm]	10.5	10.2～10.3
Mechanical properties:				
	Working load limit(WLL), max.:	[kg]	2200	−
	(drive mechanism g		−	−
	Manufacturing proof force(MPF), min.:	[KN]	70	70
	Stress at min. MPF		−	−
	Guranteed breaking force(BF), min.:	[KN]	120	128～138
	Stress at min. BF		−	−
	Total ultimate elongation(A), min.:	[%]	10	13～16
	Surface hardness/HV3, min.:	[—]	500	589～616
	/HV5, min.:	[—]	−	−
	Hardness /HRC, min.:	[—]	−	−
	Case depth,min.:	[mm]	0.19	0.25～0.28
	Bend deflection(f),min.:	[mm]	no visible defect	OK
	Fatigue resistance, min.:	[cycle]	$2*10^6$	OK
Packing:				
	Weight per meter:	[kg/m]	1.96	
	Length 1	[meter]	100m−/25pcs	
	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]