

SUNTON INTERNATIONAL TRADING CO. LTD.
NO.21 DONG HAI XI ROAD 1-0702
QINGDAO, CHINA

Material Certificate EN10204-3.1

GENERAL		G100 SLR-1030 RATCHET LOAD BINDERS	
CERTIFICATE NO		986013 1119	
CUSTOMERS ORDER		219KSN-37 986013	
INFORMATION			
MATERIAL QUALITY		THREADED TUBE: 35CrMo, BOLT: SAE8620H, HANDLE: 45#, HOOKS: 23MnNiMoCr54	
QUANTITY		24 pcs	

MATERIAL PROPERTIES										
Item	Id No.	Yieldp. N/mm2 (Re)	Tensile Strength N/mm2 (Rm)	Elongation % (A)	Impact Test Type: Charpy V				Fatigue Test Times	
					Joules Temp. °C	1	2	3		Average
35CrMo	1119	≥835	≥980	≥12						20.000
SAE8620H		≥785	≥980	≥9						
45#		≥355	≥600	≥16						
23MnNiMoCr54		≥980	≥1180	≥10						

CHEMICAL COMPOSITION										
Item	C %	Si %	Mn %	P %	S %	Cr %	Ni %	Mo %	Al %	Magnetic Test
35CrMo	0.33	0.26	0.49	0.016	0.016	0.91		0.24		Passed
SAE8620H	0.21	0.24	0.77	0.018	0.014	0.53	0.48	0.25	0.028	
45#	0.46	0.25	0.72	0.012	0.006	0.12	0.009			
23MnNiMoCr54	0.24	0.16	1.21	0.011	0.014	0.58	0.92	0.53	0.042	

We hereby certify that the lifting device described above complied with the terms of the ordercontract and was manufactured and processed in a manner compatible to meeting the specified load ratings when used under normal and proper applications.

Mechanical Test Results

PARTICULARS

Distinguishing mark	Item and Size	Number tested	Date of test	LC	Breaking Load
EK 13-10 CE 1119	G100 SLR-1030 13-10	1 pc	05.JAN.2020	134 kN	268 kN
Responsible for testing: Mr. Wang Zhao Wu					



Qingdao

05.JAN.2020

Date

Signature/Stamp