YATO(HK) HOLDINGS LIMITED

MANUFACTURER'S TEST CERTIFICATE

EN10204 3.1

CUSTOMER:
LA CAMPANA SERVICIOS DE ACERO SA
ADDRESS: AUTOPISTA MEDELLIN KM 2.7 SEGUNDO RETORNO VIA SIBERIA, BOGOTA, BODEGA 3 COTA-CUNDINAMARCA, COLOMBIA
NIT: 860.056.971-8

INVOICE NO. & DATE: YFS-12780
Date:2023-04-13
Contract No:FTC 03/23

DESCRIPTION OF GOODS:

Hollow Sections ASTM A500 Gr. B (China steel grade Q235)

SPECIFICATIONS					QUALITYS										
								CHEMICAL ANALISIS(%)				MECHANICAL ANALISIS		
NO.	SIZE		WT (mm)	LENGTH (m)	PCS	WEIGHT (MT)	Heat No.					TENSION TEST		YIELD POINT (Mpa)
	mm	mm						C	Mn	P	S	TENSILE STRENGTH (N/mm2)	ELONGATION(%)	
1	40	40	2.5	6	300	5.38	G22965369	0.16	0.44	0.022	0.03	468	31	327
2	120	120	2.5	6	144	8.02	G21406612	0.15	0.43	0.022	0.03	462	30.5	330
3	60	60	3	6	196	6.40	G20805583	0.16	0.44	0.022	0.03	456	31.5	328
4	100	100	4	6	175	12.79	G21406895	0.15	0.43	0.022	0.03	416	34.5	331
5	120	120	4	6	64	5.64	X0213670	0.16	0.44	0.022	0.03	468	32	331
6	150	150	4	6	144	15.95	X0222112	0.16	0.42	0.022	0.031	462	30.5	331
7	100	100	4.5	6	75	6.14	G21406900	0.15	0.45	0.017	0.032	456	31.5	326
8	100	50	3	6	128	5.26	G20492446	0.15	0.43	0.022	0.03	468	30.5	327
9	250	100	3	6	56	5.47	X0213451	0.16	0.44	0.022	0.03	462	30.5	330
10	150	100	4	6	120	11.03	G2206247	0.16	0.42	0.022	0.031	456	31.5	332
11	200	100	4	6	184	20.38	G2206391	0.15	0.45	0.017	0.032	456	31.5	331
TOTAL					1586	102.46								

Hollow Sections ASTM A500 Gr. C (China steel grade Q235)

SPECIFICATIONS					QUALITYS										
								CHEMICAL ANALISIS(%)				MECHANICAL ANALISIS		
NO.	SIZE		WT (mm)	LENGTH (m)	PCS	WEIGHT (MT)	Heat No.					TENSION TEST		YIELD POINT (Mpa)
	mm	mm						C	Mn	P	S	TENSILE STRENGTH (N/mm2)	ELONGATION(%)	
12	150	150	6.0	6	36	5.92	X21432403	0.16	0.44	0.023	0.032	416	34.5	332
13	200	70	6.0	6	60	8.84	G2206456	0.15	0.43	0.022	0.03	415	33.5	335
TOTAL					96	14.76								

GRAND TOTAL QANTITY:117.22MT

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN TESTED IN ACCORDANCE WITH ABOVE SPECIFICATIONS AND THE RESULTS OF ALL TESTS ARE ACCEPTABLE.

