



CANGZHOU KH FITTINGS CORP.

NO.31-A DONGHAI ROAD, DEVELOPING ZONE OF CANGZHOU, HEBEI, CHINA 061000

TEL: 86-317-3093636, 3090606; FAX: 86-317-3098669; OK@CZFITTINGS.CN

THE CERTIFICATE EN 10204/3.1 FOR MECHANICAL PROPERTIES AND CHEMICAL ANALYSIS

CERTIFICATE

CERTIFICATE NO.190713

CLIENT: Messr Specialnye Stali I Splavi LLC

DATE: Jul. 28, 2019

QUANTITY	DESCRIPTION OF GOODS						CAST NO.	MATERIAL	RESULT
500	UnionConicalJointM/F						1"	304	OK
500	UnionConicalJointM/F						3/4"	304	OK
200	UnionConicalJointM/F						3/8"	304	OK
500	UnionConicalJointM/M						1/2"	304	OK
500	UnionConicalJointF/F						3/4"	304	OK
400	Hexagon Nipple						1"	304	OK
300	Hexagon Nipple						3/4"	304	OK
110	Hexagon Nipple Reducing						1"-3/4"	304	OK
150	Elbow 90 Equal M/F						1/2"	304	OK
50	Elbow 90 Equal M/F						2 1/2"	304	OK
200	Elbow 90 Equal M/F						3/4"	304	OK
200	Tee Banded F/F/F						1/2"	304	OK
51	Hose Nipple threaded (M)						1 1/4"	304	OK
200	Hose Nipple threaded (M)						1/2"	304	OK
40	Hose Nipple threaded (M)						1/8"	304	OK
41	Hose Nipple threaded (M)						2 1/2"	304	OK
CHEMICAL COMPOSITION									
	C%	Si%	Mn%	P%	S%	Ni%	Cr%	Mo%	
CAST NO.	MAX	MAX	MAX	MAX	MAX	8	18	/	
	0.08	2.00	1.50	0.040	0.04	11	21	/	
7A0131	0.52	0.87	0.92	0.032	0.005	8.08	18.14	/	
MECHANICAL PROPERTIES									
	TENSILE STRENGTH	YIELD POINT	ELONGATION						
	MPa	Mpa	>30%						
	>485	>205	>30%						
	550	240	52						

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED ABOVE HAS BEEN TESTED AND COMPLIED WITH TERMS OF THE ORDER CONTRACT.





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QUANTITY	DESCRIPTION OF GOODS	CAST NO.	MATERIAL	RESULT
100	UnionConicalJointM/F		316	OK
100	Hexplug F		316	OK
100	Hexplug F		316	OK
200	Hexplug F		316	OK
100	Hexplug F		316	OK
200	Hexplug F		316	OK
100	Hexplug M		316	OK
100	Hexplug M		316	OK
100	Hexplug M		316	OK
200	Hexplug M		316	OK
100	Hexplug M		316	OK
100	Hexplug M		316	OK
100	Hexplug M		316	OK
100	Hexplug M		316	OK
100	Hexplug M		316	OK
100	Hexplug M		316	OK
100	Hexplug M		316	OK
100	Hexagon Nipple	7A0132	316	OK
50	Hexagon Nipple Reducing		316	OK
50	Hexagon Nipple Reducing		316	OK
50	Elbow 90 Equal M/F		316	OK
50	Elbow 90 Equal M/F		316	OK
100	Elbow 90 Equal M/F		316	OK
150	Elbow 90 Equal M/F		316	OK



50		Elbow 90 Equal M/F		2 1/2"								316		OK
50		Elbow 90 Equal M/F		2"								316		OK
50		Elbow 90 Equal M/F		3"								316		OK
200		Elbow 90 Equal M/F		3/4"								316		OK
100		Tee Banded F/F/F		1"								316		OK
40		Hose Nipple threaded (M)		1"								316		OK
40		Hose Nipple threaded (M)		1/2"								316		OK
40		Hose Nipple threaded (M)		3/4"								316		OK
CHEMICAL COMPOSITION														
CAST NO.	C%	Si%	Mn%	P%	S%	Ni%	Cr%	Mo%	MECHANICAL PROPERTIES			TENSILE STRENGTH	YIELD POINT	ELONGATION
	MAX	MAX	MAX	MAX	MAX	9	18	2.00				MPa	Mpa	>40%
	0.08	1.50	1.50	0.040	0.04	12	21	3.00	>515	>205	>40%			
7A0132	0.46	0.68	1.02	0.035	0.007	9.07	18.05	2.06	548	233	51			

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED ABOVE HAS BEEN TESTED AND COMPLIED WITH TERMS OF THE ORDER CONTRACT.

