



**MATERIAL CERTIFICATES WITH MECHANICAL PROPERTIES AND CHEMICAL COMPOSITION
ACCORDING TO EN 10204 /3.1B PLUS BASE MATERIAL CERTIFICATES**

CLIENT: ORDER NO.ZPO-2003-0033 DATE:JUN/24.2020

QUANTITY		DESCRIPTION OF GOODS				MATERIAL		RESULT			
600		BUSH	1" X 1/2"								
25			2.1/2" X 1.1/2"		20060811						
300		HOSE NIPPLE	1/2"								
500			1"								
2500		NIPPLE	1/2"		20060812						
2500			1/2"		20060813						
1500			3/4"		20060814						
2000			1"		20060815						
500			2"		20060816						
500			2"		20060817						
100		RED. NIPPLE	2.1/2"								
100			1.1/4" x 1"								
60			2.1/2" X 2"		20060818						
150		SQUARE PLUG	1/8"								
200			1/4"								
300			1.1/2"								
80		RED. SOCKET	1/2" X 1/4"								
50			3/4" x 1/2"								
800		STREET ELBOW	1/2"		20060819						
20			1.1/2"								
100		RED. TEE	3/4" X 1/2"								
50			1.1/2" X 1"								
		CHEMICAL COMPOSITION				MECHANICAL PROPERTIES					
HEAT NO.	C%	Si%	Mn%	P%	S%	Ni%	Cr%	Mo%	TENSILE STRENGTH	YIELD POINT	ELONGATION
	MAX	MAX	MAX	MAX	MAX				MPa	MPa	>30%
20060811	0.08	1.00	2.00	0.045	0.030	8.0/11.0	18.00/20.00		>485	>205	
20060812	0.058	0.670	0.961	0.029	0.012	8.10	18.11		OK	OK	OK
20060813	0.062	0.660	0.102	0.030	0.016	8.16	18.06		OK	OK	OK
20060814	0.036	0.55	1.03	0.037	0.013	8.07	18.09		OK	OK	OK
20060815	0.058	0.771	0.960	0.029	0.021	8.10	18.10		OK	OK	OK
20060816	0.040	0.53	1.08	0.032	0.014	8.03	18.14		OK	OK	OK
20060817	0.042	0.53	1.08	0.037	0.015	8.03	18.14		OK	OK	OK
20060818	0.058	0.771	0.961	0.029	0.021	8.10	18.10		OK	OK	OK
20060819	0.062	0.880	0.102	0.028	0.019	8.12	18.06		OK	OK	OK
20060819	0.036	0.57	1.04	0.037	0.013	8.06	18.10		OK	OK	OK

OK