

**TIANJIN UNIGLORY INTERNATIONAL TRADE CO., LTD**  
ROOM 1104 DISTRICT A FRIENDSHIP MANSION NO 50 YOUYI ROAD HEXI DISTRICT TIANJIN CHINA

**PRODUCTION CERTIFICATE**

<b>CUSTOMER</b>	E-STEEL, INC.	<b>PRODUCT: SQUARE AND RECTANGULAR PIPES ASTM A500 Grade B</b>				<b>CONTRACT NO.</b>	RU14012
<b>M.P</b>	<b>HFW</b>	<b>STANDARD</b>	ASTM A500 Grade B	<b>HEAT TREATMENT OF WELDING SEAM</b>	(√) HN ( ) Z	<b>Invoice No.:</b>	TUGZ227

SIZE (INCH)			Length (FT)	HEAT NO.	WEIGHT (MT)	CHEMICAL COMPOSITION (10 <sup>-3</sup> %)					MECHANICAL PROPERTY																
						C	SI	MN	P	S	Bend test	Yield Strength N/mm <sup>2</sup>	Tensile strength N/mm <sup>2</sup>	Elongation on Gauge length δ %	IMPACT TEST												
												T	IMPACT ENERGY														
												°C	1	2	3												
12	4	0.25	40	H133-02769	10.554	170	16	50	11	7	OK	439	530	26.5	normal	68	70	71									
				H134-02769	30.31																						
12	4	0.5	40	H134-01092	43.416	160	19	60	25	9	OK	412	531	28.0													
				H134-02769	3.324																						
				H134-02769	5.01																						
12	6	0.25	40	H134-02769	90.968	170	16	50	11	7	OK	439	530	26.5			67	74	63								
12	6	0.5	40	H131-01092	11.377	160	19	60	25	9	OK	412	531	28.0													
				H134-01092	26.618																						
				H134-01094	1.045																						
				H134-02769	3.785																						
<b>TOTAL:</b>					226.407																						

INSPECTOR: ZHANGSHIGE

