OOO doxsteelfasteners

DOXSTEEL LLC

MATERIAL TEST REPORT

TRACEABILITY CODE:	YJ0001YJ	网络伊利国	
ITEM	STUD BOLT	HEAVY HEX NUT	
GRADE	ASTM A193 B7	ASTM A 194 2H	
QUANTITY	42	84	0%53%54
DIAMETER (IN)	5/8-11	5/8-11	BOX No.
LENGTH FTFT (IN)	3 1/4	N/A	
LOT No.	3294000002	3294000026	

CHARACTERISTICS OF THE SUBSTRATE ACCORDING TO API 20E											
ITEM	STUD	BOLT	HEAVY HEX NUT		ITEM	STUD	STUD BOLT		HEAVY HEX NUT		
CHARACTERISTIC TO BE EVALUATED	STANDARD	RESULT	STANDARD	RESULT	CHARACTERISTIC TO BE EVALUATED	STANDARD	RESULT	STANDARD	RESULT		
DIMENSIONS OF SPEC:					HEAT TREATMENT						
THREAD GO	-	ОК	-	ОК	HEAT No.	NJD519824		-			
THREAD NO GO	-	ОК	-	ОК	QUENCHING TEMPERATURE (°C)	860	860	-	-		
MECHANICAL PROPERTIES				QUENCHING TIME (MIN)	150	150	-	-			
HARDNESS	MAX 35 HRC	27.4-30.5 HRC	24-35 HRC	26.8-32.1 HRC	TEMPERING TEMPERATURE (°C)	660	660	MIN 455	520		
TENSILE STRENGTH (PSI)	MIN 124,814	139182-141214	-	-	TEMPERING TIME (MIN)	180	180	-	-		
YIELD STRENGTH (PSI)	MIN 105,221	131926-134683	-	-		CHEMICAL COMPOSITION					
ELONGATION (%)	MIN 16	17.5-19.6	-	-	MILLHEAT No.	S21307342SX		J1130	J11308855		
REDUCTION OF AREA (%)	MIN 50	52.5-58.3	-	-	C (%)	0.370-0.490	0.38	MIN 0.400	0.43		
MAGNETIC PARTICLE TESTING	100%	100% OK	-	-	Si (%)	0.150-0.350	0.25	MAX 0.400	0.14		
PROOF LOAD	-	-	MIN 176 KN	176-182 KN	Mn (%)	0.650-1.100	0.81	MAX 1.000	0.68		
MACRO ETCH				P (%)	MAX 0.035	0.015	MAX 0.040	0.014			
SPEC OF TEST METHOD	ASTM E381-01(2006)		ASTM E381-94		S (%)	MAX 0.040	0.004	MAX 0.050	0.007		
SURFACE	S2	S2	S2	S2	Cr (%)	0.750-1.200	0.99	-	-		
RANDOM CONDITION	R2	R2	R2	R2	Mo (%)	0.150-0.250	0.19	-	-		
CENTER SEGREGATION	C2	C2	C2	C2							

*COATING CHARACTERISTICS ACCORDING TO ASTM B994										
ACCEPTANCE TESTS		QUALIFICAT		TION TESTS	DEPOSIT LOT:		09-15-0304-0326			
FREE OF VISIBLE COATING DEFECTS, SUCH AS BLISTERS, PITS, ROUGHNESS NODULES, BURNING,		CHEMICAL COMPOSITION		GALLING	ENVIRONMENTAL TESTING		CORROSION TESTING			
AFFEREANCE	THAT WOULD AFFECT THE FUNTION OF THE COATING.		0/ NI:	50.0		CASS (ASTM		PART	CORROSION RATE (µm/y)	
ADHESION THE COATING DOES NOT SHOW SEPARATION FROM THE BASE METAL, TEST METHOD ASTM B571-10		76INI	50.6	LOADED SPECIMENS HAVE PASSED 120 DAYS OF	B368)	120110013	***STUD	0.4702		
		TEST METHOD	ST METHOD ASTM B571-10		40.4	EVALUATION WITH TORQUE RATIO OF 1.0	SALT FOG		0100	0.4702
THICKNESS	HICKNESS 20.2 µm TEST METHOD ASTM B		TEST METHOD ASTM B568	///200	49.4		(ASTM B117)	loonente	***INTERIOR	0.8018
mionaeou		TEOTIMETHOD ASTM B300			HYDROGEN	MODIFIED SALT FOG		NUT	0.0010	
SAMPLING FOR THE ACCEPTANCE AND QUALIFICATION TESTS WAS MADE UNDER ASTM F1470. "THE INFO CONTAINED IN THIS DOCUMENT IS OBTEINED FROM QUALITY CONTROL TEST PERFORMED ACCORDING TO ASTM B994. "THIS TEST IS PERFORMED IN COUPONS ACCORDING TO THE REQUIREMENTS OF ASTM B994. ""THIS TEST IS PERFORMED ON OBJECTS DESCRIBED WITH THE PURPOSE OF MONITOR THE QUALITY CONTROL.					EMBRITTLEMENT	TEST (ASTM G85-A2)	200110013		0 3025	
						NO RED RUST AFTER THE EXPOSURE PERIOD FOR ALL ENVIRONMENTAL TESTS DESCRIBED ABOVE.		FLAT	0.0020	
THIS CERTIFICATE IS FOR THE EXCLUSIVE USETO WHOM IT IS ADDRESSED AND DOXSTEEL LLC NEITHER MAKES NOR ASSUMES RESPONSIBILITY FOR AND REPRESENTATION OR CERTIFICATION TO ANY OTHER PARTY. THIS REPORT APPLIES ONLY TO THE ACTUAL SAMPLES TESTED AND THE HEAT OR LOT THEY REPRESENT. TESTS CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION LISTED. THIS REPORT MAY NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITEN APPROVAL OF DOXSTEEL LLC. THE RESULTS REPORTED ON THIS TEST REPORT REPRESENT THE ACTUAL ATTRIBUTES OF THE MATERIAL EINSINERT AND INDICATE ET AL COMPLIANCE WITH ALL ADDILIZABLE SPECIFICATION AND COMPACT PROVIDENTS.					NO FAILURE AFTER 200 HOURS AT 75% UTS			**COUPON	0.2837	
QUALITY ASSUREMENT: ARTURO UGALDE, QUALITY CONTROL AGENT								1	1	

