

TEST CERTIFICATE

NO : 38911

DATE : 05.06.2009

CUSTOMER : BRIGHT STAR	SIZE : M20-2.50X80
P.O. NO. : S5763-03-09	SPEC : ASTM A325M
PRODUCT : S. HEX BOLT	TYPE : TYPE 1
PART NO. : SWBAM20x80HDG	QTY : 540

CHEMICAL COMPOSITION :

		C	Si	Mn	P	S	Mo	Ni	Cr
HEAD MARK	HEAT NO.	X 100							
SWENN 8S A325M	SD8039420	47	26	60	1.2	1.0			89

MECHANICAL PROPERTIES :

TEST	REQUIREMENT	RESULT
TENSION	Tensile Strength – N/MM2	MIN 830 910 925
	Yield Strength– N/MM2	MIN 660 723 750
TEST	Elongation - %	MIN 14 15.3 15.6
	Reduction of Area - %	MIN 35 59.4 58.6
PROOF LOAD – N/MM2	600	SATISFACTORY
HARDNESS – HR	MAX C34	C28 C30

SURFACE COATING : HOT DIP GALVANIZED **TEST** : ASTM F 606 M
DIMNL. INSPECTION : SATISFACTORY **VISUAL INSPECTION** : SATISFACTORY
COATING THICKNESS : 45 MICRONS (Average)
SURFACE DISCONTINUITIES (F788M) : PASSED

WE CERTIFY THAT THE ABOVE PRODUCT MEETS THE SPECIFIED REQUIREMENTS OF CONTRACT.



QC MANAGER