



US-ML-CALVERT CITY
1035 SHAR-CAL ROAD
CALVERT CITY, KY 42029
USA

CERTIFIED MATERIAL TEST REPORT

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SALES ORDER 2099966/000030 (4)		CUSTOMER MATERIAL N°		GRADE A36/44W/A572-50 (1)	SHAPE / SIZE Angle / 8X6X1/2 (1)
BILL OF LADING 1322-0000015110		DATE 06/24/2015 (5)		LENGTH 40'00" (6)	WEIGHT 18,400 LB
CUSTOMER PURCHASE ORDER NUMBER DSA-430537		SPECIFICATION / DATE or REVISION A6-13A, A36-12, ASME SA36-13 ASTM A529-05(2009), A572-13A ASTM A709-13A, AASHTO M270-12 CSA G40.20-13/G40.21-13		HEAT / BATCH 55039346/06 (10)	

CHEMICAL COMPOSITION													
C %	Mn %	P %	S %	Si %	Cu %	Ni %	Cr %	Mo %	V %	Nb %	N %	Pb %	(1)
0.15	0.37	0.009	0.021	0.25	0.31	0.10	0.06	0.029	0.019	0.000	0.0090	0.0030	

CHEMICAL COMPOSITION		(1)
S %	P %	
0.014		

MECHANICAL PROPERTIES						
Elong. %	G/L Inch	UTS PSI	UTS MPa	YS PSI	YS MPa	
26.00	8.000	73010	503	53720	370	
26.00	8.000	72870	502	53410	368	

GEOMETRIC CHARACTERISTICS	
CSA	
Squa	0.944
	0.945

COMMENTS / NOTES

This grade meets the requirements for the following grades:
 ASTM Grades: A36; A529-50; A572-50; A709-36; A709-50
 CSA Grades: 44W; 50W
 AASHTO Grades: M270-36; M270-50
 ASME Grades: SA36

The above figures are certified chemical and physical test records as contained in the permanent records of company. We certify that these data are correct and in compliance with specified requirements. This material, including the billets, was melted and manufactured in the USA. CMTR complies with EN 10204 3.1.

Maskary
BHASKAR YALAMANCHILI
QUALITY DIRECTOR

Michael Herndon
MICHAEL HERNDON
QUALITY ASSURANCE MGR.

CHAPEL STEEL CO., INC.
Heat No. 55039346
Doc No. 119138 Indexed 24-Jun-15 by alojia

Certificate of Mill Test Results

11-Aug-15
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