

AM/NS Calvert LLC

1 AM/NS Way
Calvert, Al. 36513 USA



Mill Certificate

CUSTOMER ORIGINAL

Order - Item 163087-20	Certificate Number 1182463680	Delivery No 82014513-10	Ship Date 10/30/2018	Page 1 of 1						
Customer No: 15141		Cust PO: 309005								
Customer Part No:										
Customer Sold to: North Shore Supply Co. Inc DBA North Shore Steel 1566 Miles Street HOUSTON TX 77015 USA		Customer Ship to: Greens Bayou Pipe Mill c/o Bayou Processing and Storage Slip A HOUSTON TX 77015 USA		Contact - Stan Bevans AM/NS Calvert LLC 1 AM/NS Way CALVERT AL 36513 USA Email: Stanley.Bevans@ArcelorMittal.com Ph : 1-251-289-3000						
Steel Grade / Customer Specification Hot Roll Black Coil Conv to A36 / 0.2400 " X 48.0000 " ACCORDING TO A1018 {Hvy 0.230"(6)-1"(25.4)}-Hot Roll Base										
Type of Product/Surface Hot Roll Black Coil Exposed CUT TO LENGTH										
TEST METHOD		Melted in Brazil		Manufactured in USA						
ASTM										
MATERIAL DESCRIPTION										
	ORDERED	Heat No.	Coil No.	Weight Net LB	Weight Gross LB					
(mm)	6.096	3695650	1182463680	46,517.000	46,517.000					
(in)	0.2400									
CHEMICAL COMPOSITION OF THE LADLE *										
Heat No.	C	Si	Mn	P	S	Al	Cr	Cu	Mo	N
3695650	0.2051	0.02	0.86	0.012	0.006	0.042	0.02	0.012	0.001	0.0031
	Ni	Nb	Ti	B	V	Ca				
	0.005	0.000	0.000	0.0000	0.000	0.0001				
TENSILE TEST										
Test Direction	Yield Strength	Tensile Strength	% Total Elong.							
T	49 ksi	68 ksi	35							

AM/NS Calvert LLC certify that the material herein described has been manufactured, sampled, tested and inspected in accordance with the contract requirements and is fully in compliance.

* - This test is not covered by our current A2LA accreditation

Yasunori Iwasa
Quality Management Director
AM/NS Calvert

Rev.