

# ANALYSIS CERTIFICATE

Date: October 05 2015

Certificate No.: GW-201510

Certificate Order: GW-036

Customer		Empresas Carbone International S.A.			Contract No. (Invoice No.)		GW-036		Specification		ASTM A276	
Product		Stainless Steel Flat Bars			Grade		AISI 304		State			
					Chemical Composition(%)							
No.	Size(mm)	Quantity (pcs)	Finish	Length (mm)	Item	C	Si	Mn	P	S	Ni	Cr
					Standard	≤0.08	≤1.00	≤2.00	≤0.035	≤0.030	8.00-10.00	17-19
1	20*3	40	Satin finish	6000	No.							
2	20*4	30	Satin finish	6000	1--12	0.0421	0.32	0.716	0.0213	0.01620	8.081	17.4500
					Mechanical Test							
					Item	Elongation(%)	T.S(Rm) N/m m <sup>3</sup>	Y.S(Rp)0.2%N/m m <sup>3</sup>	Hardness(HV)	Stave Test		
					Standard	≥35	≥520	≥205	≤200	Eligible		
3	20*6	10	Satin finish	6000	No.							
4	25*3	100	Satin finish	6000	1	48	640	365	150	Eligible		
5	25*4	100	Satin finish	6000	2	48	630	350	155	Eligible		
6	25*6	20	Satin finish	6000	3	46	650	360	153	Eligible		
7	30*3	30	Satin finish	6000	4	47	630	350	156	Eligible		
8	60*4	20	Satin finish	6000	5	46	640	370	155	Eligible		
9	50*4	10	Satin finish	6000	6	48	640	360	152	Eligible		
10	60*6	10	Satin finish	6000	7	47	630	365	154	Eligible		
11	80*6	10	Satin finish	6000	8	48	650	370	155	Eligible		
12	80*10	5	Satin finish	6000	9	46	640	350	154	Eligible		
					10	47	650	360	155	Eligible		
					11	48	640	350	155	Eligible		
					12	46	650	365	154	Eligible		

Stamp: