



Welding Consumable: Approval Certificate

Office: Mumbai-Port

Date: 18 May 2016

This Certificate is issued to **Senor Metals Pvt. Ltd.**, to certify that the undernoted welding consumable is recommended for entry in the supplementary list of certified welding consumable in accordance with ASME Section II, Part C, SFA 5.4, specification of the year 2015. This certificate is issued on the basis of satisfactory test results on the test coupons prepared on 1 March 2016 and subsequently tested on 22 March 2016. Welding consumable is manufactured by Senor Metals Pvt. Ltd., Jamnagar, India

Description:

Consumable name : SME 347-16
Size : 2.5, 3.15, 4.0 mm
SFA Classification : SFA 5.4 AWS CL.E

Results of test :

	2.50mm	3.15mm	4.00 mm
Yield Strength	Not Required	504 N/mm ²	485 N/mm ²
UTS	Not Required	668 N/mm ²	628 N/mm ²
% Elongation	Not Required	37.60	34.60
Impact at -50deg C	Not Required		
Chemical	Acceptable	Acceptable	Acceptable
Radiography	Not Required	Not Required	Not Required
Fillet(H,V, OH)	Not Required	Acceptable	Acceptable

Chemical Analysis- Size: 2.5mm

	C	Mn	Si	S	P	Ni	Mo	Cr	Cu	Nb
	%	%	%	%	%	%	%	%	%	%
Range	0.08 max	0.50-2.50	1.00	0.03	0.04	9.0-11.0	0.75max	18.0-21	0.75	--
Result	0.033	1.03	0.39	0.006	0.026	9.67	0.013	20.31	0.078	0.39

Chemical Analysis- Size: 3.15mm

	C	Mn	Si	S	P	Ni	Mo	Cr	Cu	Nb
	%	%	%	%	%	%	%	%	%	%
Range	0.08 max	0.50-2.50	1.00	0.03	0.04	9.0-11.0	0.75max	18.0-21	0.75	--
Result	0.037	1.01	0.40	0.006	0.026	9.63	0.013	20.30	0.077	0.39

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Chemical Analysis- Size: 4mm

	C	Mn	Si	S	P	Ni	Mo	Cr	Cu	Nb
	%	%	%	%	%	%	%	%	%	%
Range	0.08 max	0.50-2.50	1.00	0.03	0.04	9.0-11.0	0.75max	18.0-21	0.75	--
Result	0.036	1.03	0.38	0.006	0.026	9.66	0.012	20.32	0.078	0.39

Certificate is valid until 21 March 2017.


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