

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 01 March 2016 and subsequently tested on 22 March 2016. Welding consumable is manufactured by Senor Metals Pvt. Ltd. Jamnagar, India

Description:

Consumable name

: SME 308L-16

Size

: 2.50, 3.15, 4.0 mm

SFA Classification

: SFA 5.4 AWS CL. E308L-16

Results of test

	2.50mm	3.15mm	4.00 mm	
Yield Strength	Not Required	460 N/mm ²	478 N/mm ²	
UTS	Not Required	640 N/mm ²	646 N/mm²	
% Elongation	Not Required	40.00	42.00	
Impact at deg C	Not Required	17.		
Chemical	Acceptable	Acceptable	Acceptable	
Radiography	Not Required	Acceptable	Acceptable	
Fillet(H,V, OH)	Not Required	Acceptable	Acceptable	

Chemical Analysis - Size: 2.5mm

- 31	С	Mn	Si	S	Р	Ni	Mo	Cr	Cu
	%	%	%	%	%	%	%	%	%
Range	0.04 max	0.50-2.50	1.00 max	0.03 max	0.04 max	9.0-11.0	0.75 max	18.0-21.0	0.75 max
Result	0.027	0.83	0.31	0.010	0.029	9.38	0.11	19.54	0.14

Chemical Analysis- Size: 3.15mm

	С	Mn	Si	S	P	Ni	Мо	Cr	Cu
	%	%	%	%	%	%	%	%	%
Range	0.04 max	0.50-2.50	1.00 max	0.03 max	0.04 max	9.0-11.0	0.75 max	18.0-21.0	0.75 max
Result	0.029	0.85	0.45	0.006	0.027	9.43	0.035	20.41	0.061

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Chemical Analysis - Size: 4mm

	C	Mn	Si	S	P	Ni	Mo	Cr	Cu
	%	%	%	%	%	%	%	%	%
Range	0.04 max	0.50-2.50	1.00 max	0.03 max	0.04 max	9.0-11.0	0.75 max	18.0-21.0	0.75 max
Result	0.027	0.72	0.45	0.010	0.027	9.36	0.072	19.20	0.12

Certificate is valid until 21 March 2017.

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