

Welding Consumable: Approval Certificate

Office:

Mumbai-Port

Date:

22 April 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 AWS A5.10/A5.10M, specification of the year 2012. This certificate is issued on the basis of satisfactory test results on the test coupons prepared on 1 March 2016 and subsequently tested on 16 March 2016. Welding consumable is manufactured by Senor Metals Pvt. Ltd, Jamnagar, India

Description:

Consumable name

: ER 4043

Size

: 1.20 mm

SFA Classification

: AWS A5.10 ER 4043

Results of test

	1.20mm		
0.2% Proof stress	Not Required		
UTS	Not Required		
% Elongation	Not Required		
Impact at -50deg C	Not Required		
Chemical	Acceptable		
Radiography	Not Required		
Fillet(H,V, OH)	Not Required		

Chemical Analysis- Size: 1.20mm

	Ni	Cu	Sn	Zn	Pb	Fe	Be
	%	%	%	%	%	%	%
Range	Not specified	0.30 max	Not specified	0.10 max	Not specified	0.8max	0.0003 max
Result	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.0001

	Ti	Mg	Cr	Si	Mn	other	Al
	%	%	%	%	%	%	%
Range	0.20max	0.05max	Not specified	4.5-6.0	0.05max	0.15 max	Remaining
Result	0.019	0.012	<0.010	4.72	<0.010	0.010	R

Certificate is valid until 15 March 2017.



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