



Welding Consumable : Statement of Fact

Project: **Supplementary list of Certified Welding consumables**

Client: **SENIOR METALS PRIVATE LIMITED**

Office: **Mumbai**

Client's Order Number: **--**

Date: **26 December 2025**

Order Status: **Complete**

Inspection Dates

First: **27 August 2025**

Final: **06 November 2025**

This statement is issued to **Senior Metals Private Limited, Jamnagar plant, India** to certify that the undernoted welding consumable is recommended for entry in the supplementary list of certified welding consumables in accordance with ASME Section II Part C, SFA 5.10, specification of the year 2023. This statement is issued on the basis of satisfactory test results on the test coupons prepared on 27/08/2025 and subsequently tested on 06/11/2025. Welding consumables is manufactured by Senior Metals Private Limited, Jamnagar plant, India.

Description:

Consumable Name : SM 5356

Size in mm : 1.6, 2.0, 2.4, 3.0, 3.2, 4.0, 5.0 (GTAW) & 0.8, 0.9, 1.0, 1.2, 1.6, 2.0 (GMAW)

AWS Classification : SFA 5.10 / ER 5356

Result of the Test :

Weld Metal Tensile Test	Yield Stress (N/mm2) (Not Specified)	176 (N/mm2)
	Tensile Strength (MPa) (240 Mpa)	279 (N/mm2)
	% Elongation (Not Specified)	34%
	Impact tests	Not Required
Chemical Analysis	---	Acceptable
Soundness and Usability Test (Radiography Test)	---	Acceptable
Bead On Plate Test	---	Not required
Fillet Test	---	Not required



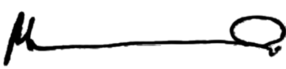
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Chemical Analysis:

	Mn %	Cr %	Cu%	% Fe	% Al	% Be	% Mg	Ti %	Zn %	Si %	Other impurities
Range	0.05-0.20	0.05-0.20	0.10 Max	0.40 Max	Reminder	0.0003 Max	4.50-5.50 Max	0.06-0.20 Max	0.10 Max	0.25 Max	0.15 Max
Result	0.141	0.110	0.002	0.107	94.898	0.00010	4.515	0.069	0.001	0.045	0.087

Refer Radiography Report No. 9522/25-26,9526/25-26, 9523/25-26, 9533/25-26, 9534/25-26, 9543/25-26, 9541/25-26, 95409/25-26, 9550/25-26 results found acceptable

The works of above manufacturer were inspected at the location stated and found in satisfactory order. The process of manufacture, including supervision, quality control and record keeping, was of adequate standard and storage condition and facilities were found to be satisfactory as well.



Manish Trivedi
Mumbai Office
Lloyd's Register Marine and Offshore India LLP

LR031.2022

Manish Trivedi For Self and Anikatabh Anshu
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