



INSPECTION CERTIFICATE (3.1) - Chemical analysis  
TEST REPORT (2.2) - Mechanical properties

ESAB SeAH Corporation  
56, JEONGDONG-RO 62BEON-GIL, SEONGSAN-GU  
CHANGWON-SI, GYEONGNAM, KOREA 641-120  
TEL:82-55-289-8111 FAX: 82-55-267-5344

Certificate No:23-3413-0117  
Issued Date :2023.11.07

Brand Name : Dual Shield 7100 Ultra

Customer Name : PRODALAM S.A.

This material conforms to specification :  
AWS A5.20/A5.20M:2021, ASME SFA-5.20/5.20M:2023

P/O No. : 4520021774  
Item No. : 35RU16247V  
EAN Code : 7330129232536  
Diameter : 1.6 mm  
Weight : 8,640.0 KG  
Lot Number : F103A31216  
Shielding Gas : 100% CO

Type : E71T-1C/1M/9C/9M (E491T-1C/1M/9C/9M)

Chemical Compositions (EN 10204 - 3.1)		Specification Requirements		Mechanical Properties As welded (EN 10204 - 2.2)		Specification Requirements As welded	
C	0.04	max	0.12	Tensile			
Mn	1.34	max	1.75	Y.S.(0.2%) MPa	545	min	390
Si	0.55	max	0.90	T.S. MPa	592		490 - 670
S	0.005	max	0.03	Elongation(2"),%	29	min	22
P	0.008	max	0.03	Reduction of Area, %			N/A
Cr	0.03	max	0.20	Impact (Charpy V-Notch)			
Ni	0.02	max	0.50	Temp.	Joule	Joule	
Mo	0.01	max	0.30	-20	63	min	27
V	0.01	max	0.08	-30	41	min	27
Al			N/A	Fillet Weld Test			
Cu	0.01	max	0.35	Radiographic test			
Ti			N/A		Conform		
Co			N/A		Conform		
N			N/A				
Cb+Ta			N/A				
Fe			N/A				
Zn			N/A				
Pb			N/A				
Sn			N/A				
W			N/A				
Others			N/A				

Remarks:

The undersigned certifies that the product supplied will meet the requirements of the applicable AWS, ISO, or other applicable welding consumable standard when tested in accordance with that standard.

By : 김정규  
J.K.KIM Manager, Q.M.Team