

Element Materials Technology Singapore Pte Ltd  
 West Point Bizhub  
 106 Tuas South Avenue 2  
 Singapore 673158

Certificate No. : LA-2018-0690-A  
 (Ex: LA-2010-0471-A)

Issue No. : 4

Date : 25 July 2022

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FIELD OF TESTING : Chemical and Biological Testing

MATERIALS / PRODUCTS TESTED		TESTS / PROPERTIES		STANDARD METHODS / TECHNIQUES / EQUIPMENT
	Metals, Metal Products and Welds	1.	Salt Spray Test	ASTM B117-19
		2.	Hydrogen Sulphide by Iodometric Titration	NACE TM0284-2016, Appendix D
		3.	Optical Emission Spectrometer	EMT-M-OP-CH-SIN-MD004 Issue 6 June 2019
a.	Ferrous Base – Carbon steels & low alloy steels	a.	C, Si, Mn, P, S, Cr, Mo, Ni, Al, Cu, Nb, Ti, V, B*, Co	
b.	Ferrous Base – Stainless steels, duplex and super duplex	b.	C, Si, Mn, P, S, Cr, Mo, Ni, Cu, Nb, Ti, Co, W, N, V	
c.	Nickel base	c.	C, Si, Mn, P, S, Cr, Mo, Ni, Al, Cu, Nb, Ti, Fe, Co, B, Ta	
		4.	Positive Material Identification by XRF	EMT-M-OP-CH-SIN-MD003 Issue 10 May 2022

\*0.0005% lowest detection limit

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Approved Signatory

1. Mr