

MATERIAL TEST CERTIFICATE (MTC)

Product	Electrogalvanized Allen Bolt	Grade	12.9 (High Tensile)
Standard	ISO 898-1	Surface Finish	Electrogalvanized (Zinc Plated)

Chemical Composition (%)

Element	C	Mn	P	S	B
Content	0.28-0.34	0.60-1.00	<= 0.025	<= 0.025	<= 0.005

Mechanical Properties

Property	Result	Requirement
Tensile Strength (MPa)	1220	Min 1220
Yield Strength (MPa)	1100	Min 1100
Hardness (HRC)	39-44	39-44
Proof Load (MPa)	970	Min 970

Note: This certificate confirms that the material has been tested according to relevant international standards and meets the requirements for Grade 12.9 fasteners with an electrogalvanized finish.