



ASTAR NDT CONSULTANTS LIMITED

華陞檢測及顧問有限公司

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CLIENTELE : Public
服務對象 公眾



Scope of Accreditation
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Main Laboratory : Flat 5, 9/F, Ming Fat Industrial Building, No. 1 Kin Fat Street, Tuen Mun,
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Test Location : No. 5, Fuda 1 Road, Zhangmutou Town, Dongguan City, Guangdong Province, China
中國廣東省東莞市樟木頭富達一路富達工業區南宿第五棟

ACCREDITED TEST : Construction Materials
CATEGORY 建築材料

認可測試類別

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Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
Metallic materials (non-destructive)	Ultrasonic test of metallic materials	BS 5996: 1993 BS EN 10160: 1999 BS EN 10306: 2002
	Ultrasonic thickness measurement	BS EN 14127: 2011
Paint & varnishes	Dry-film coating thickness by magnetic method	BS EN ISO 2178: 1995 BS EN ISO 2808: 2007 (Method 12A)
	Dry-film coating thickness by eddy current method	BS EN ISO 2360: 2003 BS EN ISO 2808: 2007 (Method 12B)
Structural fixings (fixing components)	Tensile proof load test of anchor bolts, dowel bar, channel insert and embed plate in the force range 1 kN – 200 kN	BS 5080: Part 1: 1993 Cl. 7.1.1, 7.1.3 & 7.2 with modifications (by incremental method) In-house method AS-TP-019 In-house method AS-TP-046
Welds (non-destructive)	Liquid penetrant test (Colour contrast and fluorescent methods, solvent removable)	ASME BPVC Sec V: 2017 Article 6, Article 24 SE-165 ASTM E165-12 in conjunction with the following specifications: ASME B31.3: 2014 Para. 344.4.2 ASME BPVC Sec VIII Div 1: 2015 App. 8-4 AWS D1.1/D1.1M: 2015 Table 6.1
	Liquid penetrant test (Colour contrast method)	BS 6443: 1984 (Amd. 4844) BS EN 571-1: 1997 BS EN ISO 3452-1: 2013 in conjunction with the following specifications: BS 4515-1: 2000 Table 5 BS 4515-1: 2009 Table 9 BS 5135: 1984 Table 18 & 19 BS EN ISO 5817: 2007 Table 1 BS EN ISO 5817: 2014 Table 1 Buildings Department Code of Practice for Structural Use of Steel (2011) Table 14.3b

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Welds (non-destructive) (cont'd)	<p>Magnetic particle test (York techniques, Visible and fluorescent particles using permanent magnets and A.C. yokes)</p> <p>Magnetic particle test (Magnetic flow method, colour contrast technique using permanent magnets, A.C. & D.C. yokes)</p> <p>Radiographic test (Gamma Ray & X-ray)</p>	<p>ASME BPVC Sec V: 2017 Article 7, Article 25 SE-709 ASTM E709-15 in conjunction with the following specifications: ASME B31.3: 2014 Para. 344.3.2 AWS D1.1/D1.1M: 2015 Table 6.1</p> <p>BS 6072: 1981 (Amd. 3960, 4542 and 4843) BS EN 1290: 1998 BS EN ISO 9934-1: 2001 BS EN ISO 9934-1: 2016 BS EN ISO 17638: 2009 BS EN ISO 17638: 2016 in conjunction with the following specifications: BS 4515-1: 2000 Table 5 BS 4515-1: 2009 Table 9 BS 5135: 1984 Table 18 & 19 BS EN ISO 5817: 2007 Table 1 BS EN ISO 5817: 2014 Table 1 Buildings Department Code of Practice for Structural Use of Steel (2011) Table 14.3b</p> <p>ASME BPVC Sec V: 2017 Article 2, Article 22 SE-94 ASTM E94-04 (2010) BS 2600: Part 1: 1983 BS 2910: 1986 BS EN 1435: 1997 BS EN ISO 17636-1: 2013 (up to 300 kV) in conjunction with the following specifications: ASME B31.3: 2014 Table 341.3.2 ASME BPVC Sec VIII.1 Div 1: 2019 App. 4-3 BS 4515-1: 2000 Table 5 BS 4515-1: 2009 Table 9 BS 5135: 1984 Table 18 & 19 BS EN ISO 5817: 2007 Table 1 BS EN ISO 5817: 2014 Table 1 Buildings Department Code of Practice for Structural Use of Steel (2011) Table 14.3b</p>

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Welds (non-destructive) (cont'd)	<p>Ultrasonic test (Butt welds in plates and pipes, 'T' joint welds, nozzle welds and node welds)</p> <p>Visual examination</p>	<p>ASME BPVC Sec V: 2017 Article 4, Article 23 SE-273 ASTM E273-15 BS 3923: Part 1: 1986 BS EN 1714: 1998 BS EN ISO 17640: 2010 BS EN ISO 17640: 2018 in conjunction with the following specifications: ASME B31.3: 2008 Para. 344.6.2 ASME BPVC Sec VIII Div 1: 2015 App. 12-3 BS 4515-1: 2000 Table 5 BS 4515-1: 2009 Table 9 BS 5135: 1984 Table 18 & 19 BS EN ISO 5817: 2007 Table 1 BS EN ISO 5817: 2014 Table 1 Buildings Department Code of Practice for Structural Use of Steel (2011) Table 14.3b</p> <p>ASME BPVC Sec V: 2017 Article 9 BS 5289: 1976 BS EN 970: 1997 BS EN ISO 17637: 2011 BS EN ISO 17637: 2016 in conjunction with the following specifications: ASME B31.3: 2014 Table 341.3.2 AWS D1.1/D1.1M: 2015 Table 6.1 BS 4515-1: 2000 Table 5 BS 4515-1: 2009 Table 9 BS 5135: 1984 Table 18 & 19 BS EN ISO 5817: 2007 Table 1 BS EN ISO 5817: 2014 Table 1 Buildings Department Code of Practice for Structural Use of Steel (2011) Table 14.3b</p>
Welds (destructive)	Bend test of shear stud	<p>BS EN ISO 14555: 2017 Cl. 11.3 Buildings Department Code of Practice for Structural Use of Steel (2011) Cl. 14.3.7.3</p>

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Welds (destructive)	Impact test on welds in metallic materials using V-notch test pieces	BS EN ISO 148-1: 2016 in conjunction with the following specification(s): BS EN ISO 9016: 2012
	Vickers hardness test on welds in metallic materials in the scale of HV5 to HV10	BS EN 6507-1: 2005 in conjunction with the following specification(s): BS EN ISO 9015-1: 2011
	Bend test on welds in metallic materials	BS EN ISO 5173: 2010 + A1: 2011
	Macroscopic examination of welds in metallic materials	BS EN ISO 17639: 2013 BS EN 1321: 1997
	Fracture test on welds in metallic materials	BS EN ISO 9017: 2013 BS EN 1320: 1997
	Transverse tensile test on welds in metallic materials in the force range of 0.2 kN to 1000 kN	BS EN ISO 6892-1: 2016 in conjunction with the following specification(s): BS EN ISO 4136: 2012