



Wazam CNAS Lab



中国合格评定国家认可委员会 实验室认可证书

(注册号: CNAS L7353)

兹证明:

浙江华正新材料股份有限公司研发中心实验室

浙江省杭州市余杭区余杭街道华一路2号, 311121

符合 ISO/IEC 17025: 2005《检测和校准实验室能力的通用要求》
(CNAS-CL01《检测和校准实验室能力认可准则》)的要求, 具备承担本
证书附件所列服务能力, 予以认可。

获认可的能力范围见标有相同认可注册号的证书附件, 证书附件是
本证书组成部分。

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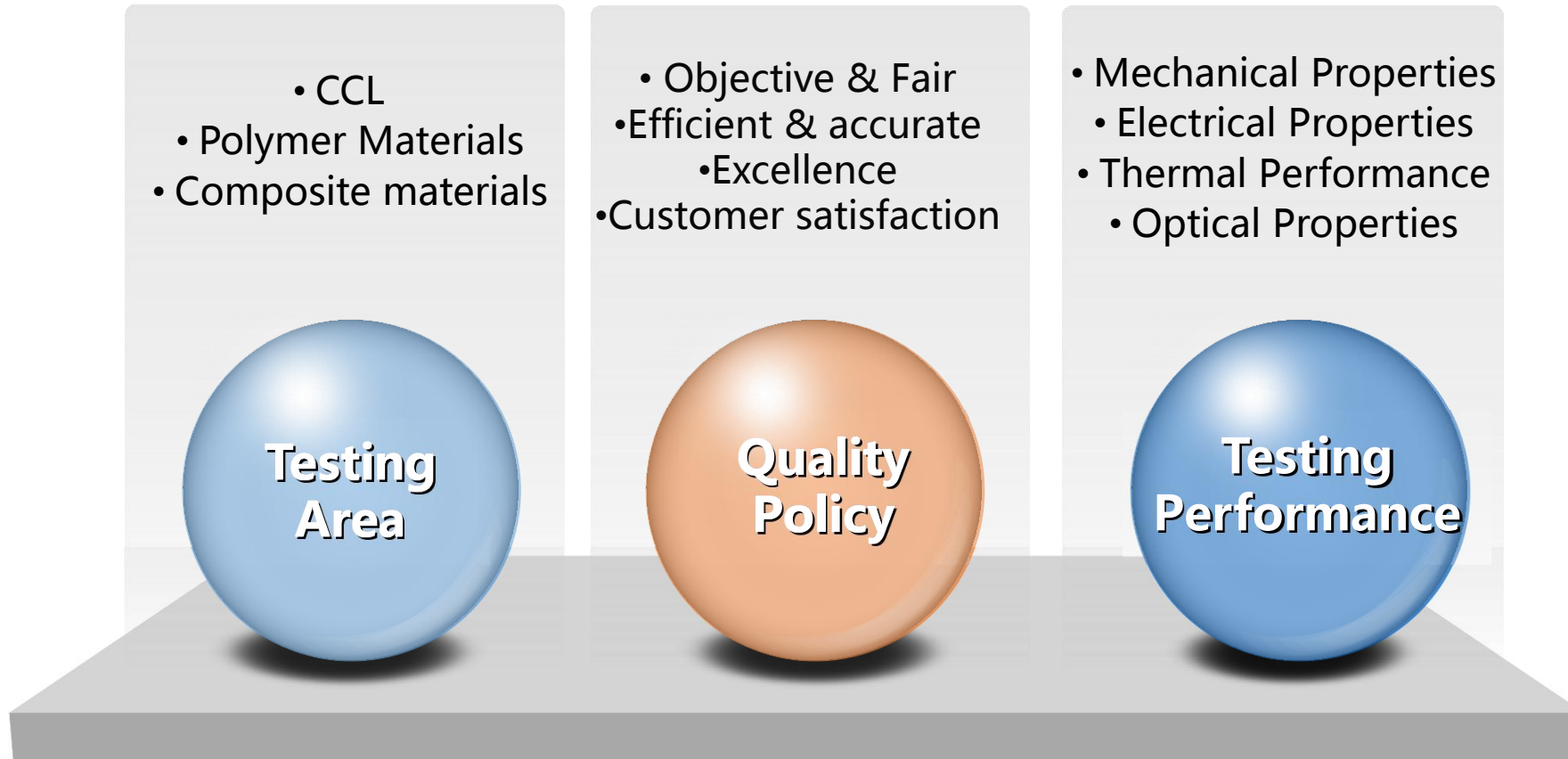
中国合格评定国家认可委员会授权人



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CNAS 是国际实验室认可合作组织 [ILAC] 和亚太实验室认可合作组织 [APLAC] 的互认协议成员。
本证书的有效性可登陆 www.cnas.org.cn 获认可的机构各录查询。

- ◆ Testing equipment worth more than 30 million.
- ◆ Approved by CNAS in 2014 , 2017 passed re-assessment.
- ◆ Participate in the drafting of multiple electronic industry standards.
- ◆ Participate in the drafting of a number of national standard projects.





Equipments and Testing Capabilities





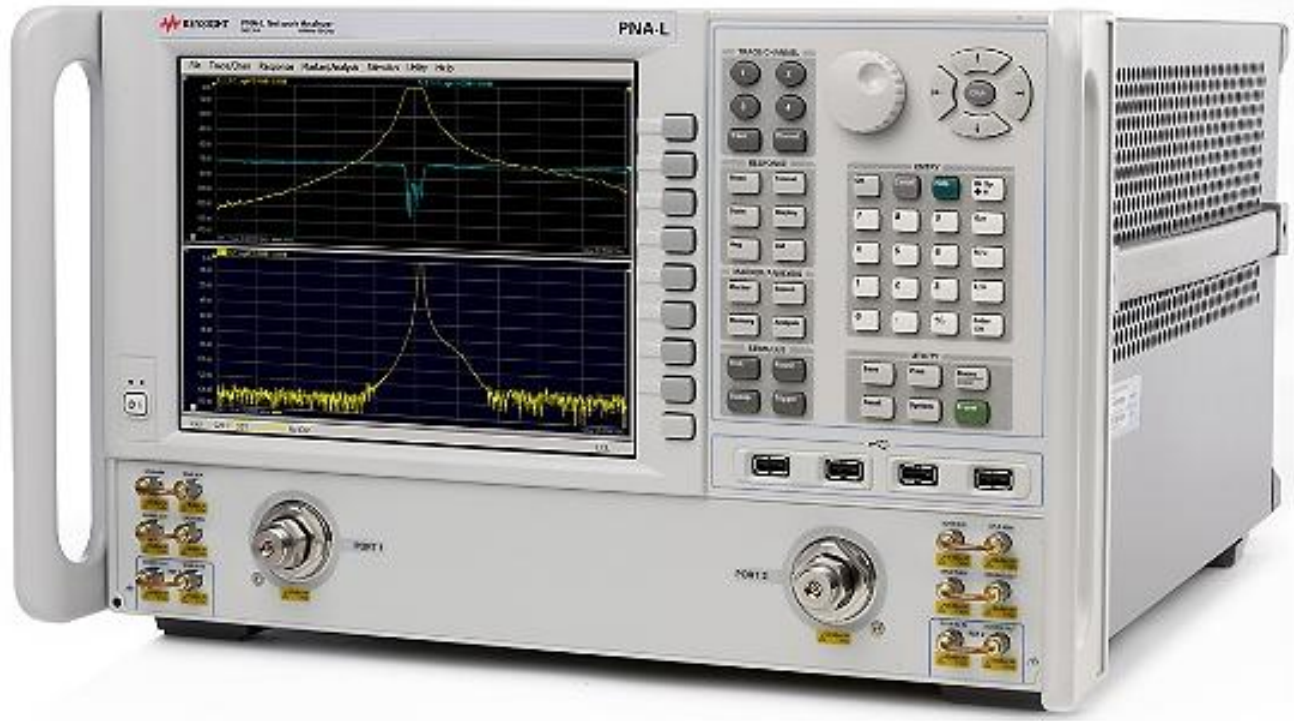
Test items	Micromorphology, Structure and Elemental Analysis of Materials
Equipment	SEM&EDS
Supplier	Phenom
Model	Phenom ProX
Resolution	10nm
Test element	B(5)~Am(95)号



Equipment	Coordinate Measuring Machine
Supplier	ZEISS
Model	CONTURA 10/16/6
Application	Geometry
Measuring range	1000mm* (1200~1600) mm*600mm
Accuracy	1.7+L/350* μm



Equipment	FTIR
Supplier	Thermo Fisher
Model	Nicolet iS10
Application	Qualitative analysis
Wavenumber	400 ~ 4000cm ⁻¹
Accuracy	< 0.01cm ⁻¹
Resolution	< 0.4cm ⁻¹



Equipment	Network Analyzer
Supplier	keysight
Model	N5232A
Application	Dk/Df
Test Methods	1 ~ 18GHz



Equipment	PIM
Supplier	Rosenberger
Model	IM-085P、IM-18p
Application	Passive Inter-Modulation
Resolution	< -168dbc



Equipment	Humidity Chamber
Supplier	Espec
Model	PHP-2J
Temperature Range	33°C ~ 100°C
Humidity Range	40%rh ~ 98%rh



Equipment	Ion Migration Evaluation System
Supplier	Espec
Model	AMI-150-U-5
Application	CAF
Measurement voltage	DC 1~300V
Insulation resistance measurement	$2.0 \times 10^5 \sim 1.0 \times 10^{13} \Omega$ 以上 (100V) ; $2.0 \times 10^3 \sim 1.0 \times 10^{11} \Omega$ 以上 (1V) ;



Equipment	HAST
Supplier	Espec
Model	EHS-221 (M)
Application	Environmental treatment
Temperature Range	105°C ~ 132.9°C
Humidity Range	75 ~ 100%RH
Pressure Range	0.020 ~ 0.196MPa



Equipment	TCT
Supplier	WEISS
Model	TS120
Application	Environmental treatment
Temperature Range	50 ~ 220°C
Temperature Range	-80°C ~ 70°C



Equipment	Oven
Supplier	Binder
Model	FD56
Application	Environmental treatment
Temperature Range	Room temperature ~ 300°C



Equipment	DSC
Supplier	TA
Model	Q20
Application	Tg, Tm
Temperature Range	Room temperature ~ 600°C



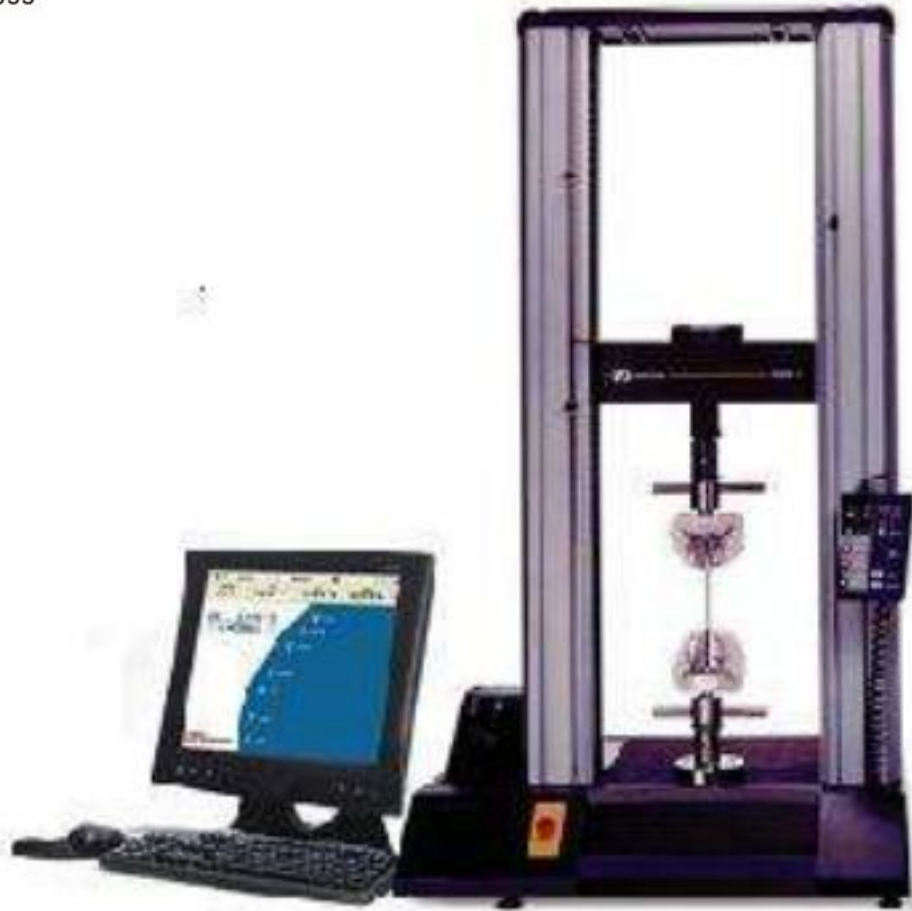
Equipment	TMA
Supplier	TA
Model	Q400
Application	Tg、CTE、T288
Temperature Range	Room temperature ~ 600°C
Force Range	0.001 ~ 2N



Equipment	TGA
Supplier	METTLER TOLEDO
Model	TGA-DSC1
Application	Td
Temperature Range	Room temperature ~ 1000°C
Weighing range	0 ~ 1000mg



Equipment	Thermal conductivity tester
Supplier	Long-Win
Model	LW-9389
Application	Thermal conductivity
Pressure Range	4 ~ 50kgf
Hot Temperature	≤180°C
Cooling Temperature	Room temperature+3 ~ 50°C



Equipment	Universal tensile testing machine
Supplier	INSTRON
Model	3369
Application	Bend, Stretch
Force Range	0 ~ 50kN
Speed	0.005 ~ 500mm/min



Equipment	Density Meter
Supplier	METTLER TOLEDO
Model	MS204
Application	Density
Weighing range	0 ~ 220g



Equipment	Laser Particle Sizer
Supplier	Malvern
Model	Mastersizer 2000
Application	Particle Size
Particle Size Range	0.02 ~ 2000 μ m



Equipment	High Resistance Meter
Supplier	Agilent
Model	4339B
Application	Rv,Rs
Insulation resistance measurement	$10^3 \sim 1.6 \cdot 10^{16} \Omega$



Equipment	CTI
Supplier	Zhuhai Angui
Model	AG-50B
Application	CTI/PTI
Voltage Range	100 ~ 1000V



Equipment	Arc Resistance Tester
Supplier	Beijing Huace
Model	6280
Application	Arc Resistance
Rated test voltage	12.5kV



Equipment	Horizontal-vertical Combustion Tester
Supplier	Zhuhai Angui
Model	AG-5100A
Application	Flammability



Wazam CNAS lab , focusing on the detection of polymer materials, composite materials, insulation materials, and copper clad laminates, is committed to providing customers with excellent testing integration solutions.