

Name: Shandong Institute of Metrology

Address: International Jewellery Trade Center, Jingshi Road, Jinan, Shandong, China

Registration No. CNAS L0854

Accreditation Criteria: ISO/IEC 17025:2017 and relevant requirements of CNAS

Effective Date: 2026-04-21 Expiry Date: 2030-02-03

SCHEDULE 3 ACCREDITED TESTING SCOPE

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
05 Consumer goods						
0502 Gems jewelry						
1	Diamond	1	color	Diamond Grading GB/T 16554-2017 4		2025-12-05
		2	clarity	Diamond Grading GB/T 16554-2017 5		2025-12-05
		3	cut	Diamond Grading GB/T 16554-2017 6	only for set diamond	2025-12-05
		4	carat	Diamond Grading GB/T 16554-2017 7		2025-12-05
2	Gems	1	Appearance	Gems-Testing GB/T 16553-2017 4.1.1		2025-12-05
		2	Magnification	Gems-Testing GB/T 16553-2017 4.1.2		2025-12-05
		3	Refractive Index、Birefringence	Gems-Testing GB/T 16553-2017 4.1.3		2025-12-05



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		4	Optical character	Gems-Testing GB/T 16553-2017 4.1.4		2025-12-05
		5	Pleochroism	Gems-Testing GB/T 16553-2017 4.1.5		2025-12-05
		6	Ultraviolet Fluorescence	Gems-Testing GB/T 16553-2017 4.1.6		2025-12-05
		7	Total Weight	Gems-Testing GB/T 16553-2017 4.1.7		2025-12-05
		8	Density	Gems-Testing GB/T 16553-2017 4.1.8		2025-12-05
		9	infrared spectrum	Gems-Testing GB/T 16553-2017 4.1.9		2025-12-05
		10	Absorption Spectrum	Gems-Testing GB/T 16553-2017 4.1.10		2025-12-05
		11	thermal conductivity	Gems-Testing GB/T 16553-2017 4.1.11		2025-12-05
		12	thermal reaction	Gems-Testing GB/T 16553-2017 4.1.12		2025-12-05
		13	chemical reaction	Gems-Testing GB/T 16553-2017 4.1.13		2025-12-05
		14	Mohs Hardness	Gems-Testing GB/T 16553-2017 4.1.14		2025-12-05
		15	raman spectrum	Gems-Testing GB/T 16553-2017 4.1.15		2025-12-05
		16	component analysis	Gems-Testing GB/T 16553-2017 4.1.17	only use ED-XRF	2025-12-05
		17	luminescence image analysis	Gems-Testing GB/T 16553-2017 4.1.18		2025-12-05
		18	luminescence spectroscopy	Gems-Testing GB/T 16553-2017 4.1.19		2025-12-05
0503 Precious metal						

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
1	Precious Metal Products	1	Weight	Provision of permissible error for measurement of precious metals adornment mass QB/T 1690-2021		2025-12-05
		2	Precious metal content	Jewelry-Determination of Precious metal content Method using X-ray fluorescence spectrometry GB/T 18043-2013		2025-12-05

CHINA NATIONAL ACCREDITATION SERVICE FOR CONFORMITY ASSESSMENT
SCHEDULE OF ACCREDITATION CERTIFICATE



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