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# 检 验 检 测 报 告
# TEST REPORT

北京市产品质量监督检验研究院

No：ZX-WJJ23-1036(2)

样品名称 Product：菜盆龙头

委托单位 Applicant：常州艾尔克国际贸易有限公司

检验类别 Type of Test：委托检验

北京市产品质量监督检验研究院
国家家具及室内环境质量检验检测中心
Beijing Products Quality Supervision and Inspection Institute
National Center for Quality Inspection and Testing of Furniture & Indoor Environme

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# Test Report

编号：ZX-WJJ23-1036(2)　　共7页 第1页

| | | | |
|---|---|---|---|
| 样品名称 Sample Description | 菜盆龙头 | 型号规格 Model Type | / |
| | | 商 标 Brand | ALCO |
| 委托单位 Applicant | 常州艾尔克国际贸易有限公司 | 检验类别 Test Type | 委托检验 |
| 生产单位 Manufacturer | 常州艾尔克国际贸易有限公司 | 样品等级 Sample Grade | 合格品 |
| 抽样地点 Sampling place | 送样 | 收样日期 Received Date | 2025.05.09 |
| 样品数量 Sample Quantity | 1套 | 联系人 Contact Person | 李立文 |
| 抽样基数 Sampling Base | / | 批号/生产日期 Batch No. /Manuf. date | 2025年4月 |
| 检验日期 Test Date | 2025年05月09日 至 2025年05月10日 | | |
| 检验依据 Standard or Method | GB 18145-2014《陶瓷片密封水嘴》 | | |
| 检验项目 Item/Parameter | 外观，螺纹，使用性能[抗水压机械性能，密封性能，水力学性能（流量），表面耐腐蚀性能] | | |
| 检验结论 Test Conclusion | 检验结果详见附页。<br>检验检测专用章 (Test stamp)<br>签发日期(date of issue)2025年05月31日 | | |
| 备 注 Remarks | N/A表示该样品不适用此条款。 | | |
| 声 明 Introduction | 1.送样委托检验检测数据仅对收到的样品负责。<br>2.除全文复制外，未经本实验室批准不得部分复制检验检测报告。 | | |

批准：吕焱 Approved by　　审核：李明扬 Inspected by　　编制：康晓娟 Compiled by

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# 检 验 检 测 报 告

# Test Report

编号：ZX-WJJ23-1036(2)　　共7页 第2页

| 序号 | 检验项目 | | | 标准要求 | 检验结果 | 单项判定 |
|---|---|---|---|---|---|---|
| 1 | 外观 | | | 涂层表面组织细密、光滑、色泽均匀，不应有流挂、露底及明显的划伤和磕碰等缺陷。 | N/A | / |
| | | | | 镀层表面光泽均匀，不应有脱皮、龟裂、烧焦、露底、剥落、黑斑及明显的麻点、毛刺等缺陷。 | 镀层表面光泽均匀，无脱皮、龟裂、烧焦、露底、剥落、黑斑及明显的麻点、毛刺 | 符合 |
| | | | | 抛光表面应光滑，不应有明显毛刺、划痕和磕碰等缺陷。 | N/A | / |
| 2 | 螺纹 | | | 螺纹表面应光洁，不应有凹痕、断牙等明显缺陷。 | 螺纹表面光洁，无凹痕、断牙明显缺陷 | 符合 |
| | | | | 产品外接密封管螺纹应符合GB/T 7306.1或GB/T 7306.2的规定；产品外接非密封管螺纹应符合GB/T 7307的要求，其中外螺纹应不低于GB/T 7307的B级精度。 | 符合要求 | 符合 |
| 3 | 使用性能 | 抗水压机械性能 | 阀芯上游 | 阀芯关闭，出水口开，冷水压力（2.5±0.05）MPa，持续时间（60±5）s，阀芯上游的任何零部件无永久性变形。 | 无永久变形 | 符合 |
| | | | 带流量调节器的水嘴阀芯下游 | 阀芯打开，出水口开，冷水压力（0.4±0.02）MPa，持续时间（60±5）s，阀芯下游的任何零部件无永久性变形。 | 无永久变形 | 符合 |
| | | | 不带流量调节器的水嘴阀芯下游 | 阀芯打开，出水口开，调整冷水压力至水嘴流量为（0.4±0.04）L/s时的压力，持续时间（60±5）s，阀芯下游的任何零部件无永久性变形。 | N/A | / |
| | | 密封性能 | 阀芯及阀芯上游 | 阀芯关闭，出水口开，冷水压力（1.6±0.05）MPa，持续时间（60±5）s，阀芯及上游过水通道无渗漏。 | 无渗漏 | 符合 |
| | | | 出水口能够被堵住的水嘴阀芯下游 | 阀芯打开，出水口关，洗衣机水嘴冷水压力（1.6±0.05）MPa，持续时间（60±5）s，阀芯下游任何密封部位无渗漏。 | N/A | / |

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# 检 验 检 测 报 告
# Test Report



| 序号 | 检验项目 | | | 标准要求 | | 检验结果 | 单项判定 |
|---|---|---|---|---|---|---|---|
| 3 | 使用性能 | 密封性能 | 出水口能够被堵住的水嘴阀芯下游 | 阀芯打开，出水口关，其它水嘴冷水压力（0.4±0.02）MPa，持续时间（60±5）s，阀芯下游任何密封部位无渗漏。 | | 无渗漏 | 符合 |
| | | | | 阀芯打开，出水口关，冷水压力（0.05±0.01）MPa，持续时间（60±5）s，阀芯下游任何密封部位无渗漏。 | | 无渗漏 | 符合 |
| | | | 出水口不能被堵住的水嘴阀芯下游 | 阀芯打开，出水口开，水嘴流量为（0.4±0.04）L/s时的压力，持续时间（60±5）s，阀芯下游任何密封部位无渗漏。 | | N/A | / |
| | | | 浴缸与淋浴手动转换开关 | 阀芯开，转换开关处于浴缸模式，人工堵住水嘴流向浴缸的出水口，淋浴出水口呈开启状态。 | 冷水压力（0.4±0.02）MPa，持续时间（60±5）s，水嘴的淋浴出水口无渗漏。 | N/A | / |
| | | | | | 冷水压力（0.05±0.01）MPa，持续时间（60±5）s，水嘴的淋浴出水口无渗漏。 | N/A | / |
| | | | | 阀芯开，转换开关处于淋浴模式，人工堵住淋浴出水口，浴缸出水口开。 | 冷水压力（0.05±0.01）MPa，持续时间（60±5）s，水嘴的浴缸出水口无渗漏。 | N/A | / |

北京市产品质量监督检验研究院

# 检 验 检 测 报 告
# Test Report



| 序号 | 检验项目 | | | 标准要求 | | 检验结果 | 单项判定 |
|---|---|---|---|---|---|---|---|
| 3 | 使用性能 | 密封性能 | 浴缸与淋浴手动转换开关 | 阀芯开，转换开关处于淋浴模式，人工堵住淋浴出水口，浴缸出水口开。 | 冷水压力（0.4±0.02）MPa，持续时间（60±5）s，水嘴的浴缸出水口无渗漏。 | N/A | / |
| | | | 浴缸与淋浴自动复位转换开关 | 阀芯开，转换开关处于浴缸模式，两个出水口开。 | 冷水压力（0.4±0.02）MPa，持续时间（60±5）s，水嘴的淋浴出水口无渗漏。 | N/A | / |
| | | | | 阀芯开，转换开关处于淋浴模式，两个出水口开。 | 冷水压力（0.4±0.02）MPa，持续时间（60±5）s，水嘴的浴缸出水口无渗漏。 | N/A | / |
| | | | | | 冷水压力（0.05±0.01）MPa，持续时间（60±5）s，转换开关不得移动，水嘴的浴缸出水口无渗漏。 | N/A | / |
| | | | | 阀芯关，两个出水口开。 | 转换开关自动回到浴缸出水模式。 | N/A | / |
| | | | | 阀芯开，转换开关处于浴缸模式，两个出水口开。 | 冷水压力（0.05±0.01）MPa，持续时间（60±5）s，水嘴的淋浴出水口无渗漏。 | N/A | / |

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# 检 验 检 测 报 告
# Test Report



| 序号 | 检验项目 | | | 标准要求 | | 检验结果 | 单项判定 |
|---|---|---|---|---|---|---|---|
| 3 | 使用性能 | 密封性能 | 顶喷花洒与手持花洒转换开关 | 阀芯开，转换开关处于顶喷花洒模式，人工堵住水嘴连接顶喷花洒的出水口，连接手持花洒的出水口开。 | 冷水压力（0.4±0.02）MPa，持续时间（60±5）s，水嘴连接手持花洒的出水口无渗漏。 | N/A | / |
| | | | | | 冷水压力（0.05±0.01）MPa，持续时间（60±5）s，水嘴连接手持花洒的出水口无渗漏。 | N/A | / |
| | | | | 阀芯开，转换开关处于手持花洒模式，人工堵住水嘴连接手持花洒的出水口，连接顶喷花洒的出水口开。 | 冷水压力 （0.4±0.02）MPa，持续时间（60±5）s，水嘴连接顶喷花洒的出水口无渗漏。 | N/A | / |

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# 检 验 检 测 报 告
# Test Report



| 序号 | 检验项目 | | | | 标准要求 | | 检验结果 | 单项判定 |
|---|---|---|---|---|---|---|---|---|
| 3 | 使用性能 | 密封性能 | 顶喷花洒与手持花洒转换开关 | | 阀芯开，转换开关处于手持花洒模式，人工堵住水嘴连接手持花洒的出水口，连接顶喷花洒的出水口开。 | 冷水压力（0.05±0.01）MPa，持续时间（60±5）s，水嘴连接顶喷花洒的出水口无渗漏。 | N/A | / |
| | | | 冷、热水隔墙（适用于单柄双控水嘴） | | 阀芯关，出水口开，冷水压力（0.4±0.02）MPa，持续时间（60±5）s，出水口及未连接的进水口无渗漏。 | | 无渗漏 | 符合 |
| | | 水力学性能 | 流量 | 普通洗涤水嘴、洗面器水嘴、厨房水嘴、净身器水嘴 | 普通型 | 3.0L/min≤Q≤9.0L/min | N/A | / |
| | | | | | 节水型 | 3.0L/min≤Q≤7.5L/min | 4.6L/min | 符合 |

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# 检 验 检 测 报 告

# Test Report

编号：ZX-WJJ23-1036(2)　　共7页 第7页

| 序号 | 检验项目 | | | | 标准要求 | | | 检验结果 | 单项判定 |
|---|---|---|---|---|---|---|---|---|---|
| 3 | 使用性能 | 水力学性能 | 流量 | 浴缸水嘴 | 浴缸位 | 全冷或全热位置 | Q≥6.0L/min | N/A | / |
| | | | | | | 混合水位置（测试单柄双控水嘴时，水温在34℃～44℃之间） | Q≥6.5L/min | N/A | / |
| | | | | | 淋浴位 | Q≥6.0L/min（不带花洒） | | N/A | / |
| | | | | | | 4.0L/min≤Q≤9.0L/min（带花洒） | | N/A | / |
| | | | | 淋浴水嘴 | Q≥6.0L/min（不带花洒） | | | N/A | / |
| | | | | | 4.0L/min≤Q≤9.0L/min（带花洒） | | | N/A | / |
| | | | | 洗衣机水嘴 | Q≥9L/min | | | N/A | / |
| | | 表面耐腐蚀性能 | | | 水嘴进行酸性盐雾试验后，应不低于GB/T 6461-2002标准的表1中外观评级（$R_A$）9级的要求。 | | | 10级 | 符合 |

以下空白

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**TEST REPORT ENGLISH TRANSLATION:**



| **Sample Description** | **Sink Faucet** | **Model Type** | **/** |
|---|---|---|---|
| Brand | ALCO | | |
| Applicant | Changzhou Alco International Co., Ltd. | Test Type | Commissioned Test |
| Manufacturer | Changzhou Alco International Co., Ltd. | Sample Grade | Qualified Product |
| Sampling Place | Sample Submitted by Client | Received Date | 2025-05-09 |
| Sample Quantity | 1 set | Contact Person | Li Liwen |
| Sampling Base | / | Batch No. /Manuf. date | April 2025 |
| Test Date | 2025-05-09 to 2025-05-10 | | |
| Standard or Method | GB 18145-2014 《Ceramic Cartridge Sealed Water Taps》 | | |
| Item/Parameter | Appearance, Thread, Service Performance [Hydro-mechanical Resistance, Sealing Performance, Hydraulic Performance (Flow Rate), Surface Corrosion Resistance] | | |
| Test Conclusion | See attached pages for detailed test results. Test-Only Seal Date of Issue: 2025-05-31 | | |
| Remarks | N/A means this clause is not applicable to the sample. | | |

| | | | |
|---|---|---|---|
| **Sample Description** | **Sink Faucet** | **Model Type /** | |
| Introduction | 1. Test data for client-submitted samples applies only to the received samples. 2. Partial reproduction of this test report is prohibited without laboratory approval, except for full-text reproduction. | | |

Approved by: Lü Yan Reviewed by: Li Mingyang Inspected by: Li Zhoufu
Compiled by: Kang Xiaojuan

Beijing Products Quality Supervision and Inspection Institute National Center for Quality Inspection and Testing of Furniture & Indoor Environment

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**TEST REPORT**



| **No.** | **Test Item** | **Standard Requirement** | **Test Result** | **Individual Verdict** |
|---|---|---|---|---|
| 1 | Appearance | Coating surface shall be compact, smooth and uniform in colour; shall be free of sagging, exposed substrate and obvious defects such as scratches and dents. | N/A | / |
| | | Plating surface shall have uniform gloss; free of peeling, cracking, burning-on, exposed substrate, spalling, black spots | Plating surface with uniform gloss; free of peeling, cracking, burning-on, exposed | Complied |

| No. | Test Item | Standard Requirement | Test Result | Individual Verdict |
|---|---|---|---|---|
| | | and obvious pits and burrs. | substrate, spalling, black spots and obvious pits and burrs. | |
| | | Polished surface shall be smooth; free of obvious burrs, scratches and dents. | N/A | / |
| 2 | Thread | Thread surface shall be clean; free of obvious defects such as indentations and broken threads. | Thread surface is clean; free of obvious defects such as indentations and broken threads. | Complied |
| | | External sealing pipe threads of product shall comply with GB/T 7306.1 or GB/T 7306.2; external non-sealing pipe threads shall comply with GB/T 7307, among which external threads shall be no less than Grade B accuracy of GB/T 7307. | Meets requirements | Complied |

| No. | Test Item | Standard Requirement | Test Result | Individual Verdict |
|---|---|---|---|---|
| 3 | Service Performance-Hydro-mechanical Resistance-Upstream of Cartridge | Cartridge closed, outlet open; cold-water pressure (2.5±0.05) MPa, duration (60±5) s. Any components upstream of cartridge shall have no permanent deformation. | No permanent deformation | Complied |
| | Service Performance-Hydro-mechanical Resistance-Downstream of Cartridge for taps with flow regulator | Cartridge open, outlet open; cold-water pressure (0.4±0.02) MPa, duration (60±5) s. Any components downstream of cartridge shall have no permanent deformation. | No permanent deformation | Complied |
| | Service Performance-Hydro-mechanical Resistance-Downstream of Cartridge for taps without flow regulator | Cartridge open, outlet open; adjust cold-water pressure to achieve tap flow rate (0.4±0.04) L/s, duration (60±5) s. Any components downstream of cartridge shall have no permanent deformation. | N/A | / |

| No. | Test Item | Standard Requirement | Test Result | Individual Verdict |
|---|---|---|---|---|
| | Service Performance-Sealing Performance-Cartridge and upstream of cartridge | Cartridge closed, outlet open; cold-water pressure (1.6±0.05) MPa, duration (60±5) s. No leakage at cartridge and upstream water-passage channels. | No leakage | Complied |
| | Service Performance-Sealing Performance-Downstream of cartridge for taps with blockable outlet (washing-machine tap) | Cartridge open, outlet closed; cold-water pressure (1.6±0.05) MPa, duration (60±5) s. No leakage at any sealing positions downstream of cartridge. | N/A | / |



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| No. | Test Item | Standard Requirement | Test Result | Individual Verdict |
|---|---|---|---|---|
| 3 | Service Performance-Sealing Performance-Downstream of cartridge for taps with blockable | Cartridge open, outlet closed; cold-water pressure (0.4±0.02) MPa, duration (60 ±5) s. No leakage at any | No leakage | Complied |

| No. | Test Item | Standard Requirement | Test Result | Individual Verdict |
|---|---|---|---|---|
| | outlet (other taps) | sealing positions downstream of cartridge. | | |
| | | Cartridge open, outlet closed; cold-water pressure (0.05±0.01) MPa, duration (60±5) s. No leakage at any sealing positions downstream of cartridge. | No leakage | Complied |
| | Service Performance-Sealing Performance-Downstream of cartridge for taps with non-blockable outlet | Cartridge open, outlet open; pressure corresponding to tap flow rate (0.4±0.04) L/s, duration (60±5) s. No leakage at any sealing positions downstream of cartridge. | N/A | / |
| | Service Performance-Sealing Performance-Manual diverter for bath & shower taps | Cartridge open, diverter at bath mode, bath outlet manually blocked, shower outlet open; cold-water pressure (0.4±0.02) MPa, duration (60±5) s. No leakage at shower outlet of tap. | N/A | / |
| | | Cartridge open, diverter at bath mode, bath outlet manually blocked, shower outlet open; cold-water pressure (0.05±0.01) MPa, duration (60±5) s. No leakage at shower outlet of tap. | N/A | / |
| | | Cartridge open, diverter at | N/A | / |

| No. | Test Item | Standard Requirement | Test Result | Individual Verdict |
|---|---|---|---|---|
| | | shower mode, shower outlet manually blocked, bath outlet open; cold-water pressure (0.05±0.01) MPa, duration (60±5) s. No leakage at bath outlet of tap. | | |



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| No. | Test Item | Standard Requirement | Test Result | Individual Verdict |
|---|---|---|---|---|
| 3 | Service Performance-Sealing Performance-Manual diverter for bath & shower taps | Cartridge open, diverter at shower mode, shower outlet manually blocked, bath outlet open; cold-water pressure (0.4±0.02) MPa, duration (60±5) s. No leakage at bath outlet of tap. | N/A | / |
| | Service Performance-Sealing Performance-Auto-reset diverter for bath & shower taps | Cartridge open, diverter at bath mode, both outlets open; cold-water pressure (0.4±0.02) MPa, duration (60±5) s. No leakage at shower outlet of tap. | N/A | / |
| | | Cartridge open, diverter at shower mode, both outlets open; cold-water pressure (0.4±0.02) MPa, duration (60±5) s. No leakage at bath outlet | N/A | / |

| No. | Test Item | Standard Requirement | Test Result | Individual Verdict |
|---|---|---|---|---|
| | | of tap. | | |
| | | Cartridge open, diverter at shower mode, both outlets open; cold-water pressure (0.05±0.01) MPa, duration (60± 5) s. Diverter shall not shift; no leakage at bath outlet of tap. | N/A | / |
| | | Cartridge closed, both outlets open; diverter shall automatically return to bath-outlet mode. | N/A | / |
| | | Cartridge open, diverter at bath mode, both outlets open; cold-water pressure (0.05±0.01) MPa, duration (60± 5) s. No leakage at shower outlet of tap. | N/A | / |



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| No. | Test Item | Standard Requirement | Test Result | Individual Verdict |
|---|---|---|---|---|
| 3 | Service Performance-Sealing Performance-Diverter for overhead shower & hand-held shower | Cartridge open, diverter at overhead-shower mode, overhead-shower connection outlet manually blocked, hand-held-shower connection outlet open; cold-water pressure | N/A | / |

| No. | Test Item | Standard Requirement | Test Result | Individual Verdict |
|---|---|---|---|---|
| | | (0.4±0.02) MPa, duration (60±5) s. No leakage at hand-held-shower connection outlet of tap. | | |
| | | Cartridge open, diverter at overhead-shower mode, overhead-shower connection outlet manually blocked, hand-held-shower connection outlet open; cold-water pressure (0.05±0.01) MPa, duration (60±5) s. No leakage at hand-held-shower connection outlet of tap. | N/A | / |
| | | Cartridge open, diverter at hand-held-shower mode, hand-held-shower connection outlet manually blocked, overhead-shower connection outlet open; cold-water pressure (0.4±0.02) MPa, duration (60±5) s. No leakage at overhead-shower connection outlet of tap. | N/A | / |



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| No. | Test Item | Standard Requirement | Test Result | Individual Verdict |
|---|---|---|---|---|
| 3 | Service Performance-Sealing Performance-Diverter for overhead shower & | Cartridge open, diverter at hand-held-shower mode, hand-held-shower connection | N/A | / |

| No. | Test Item | Standard Requirement | Test Result | Individual Verdict |
|---|---|---|---|---|
| | hand-held shower | outlet manually blocked, overhead-shower connection outlet open; cold-water pressure (0.05±0.01) MPa, duration (60±5) s. No leakage at overhead-shower connection outlet of tap. | | |
| | Service Performance-Sealing Performance-Hot-cold partition wall (for single-lever dual-control taps) | Cartridge closed, outlet open; cold-water pressure (0.4±0.02) MPa, duration (60±5) s. No leakage at outlet and unconnected inlet ports. | No leakage | Complied |
| | Service Performance-Hydraulic Performance-Flow Rate-General washing tap, lavatory tap, kitchen tap, bidet tap-General type | 3.0 L/min ≤ Q ≤ 9.0 L/min | N/A | / |
| | Service Performance-Hydraulic Performance-Flow Rate-General washing tap, lavatory tap, kitchen tap, bidet tap-Water-saving type | 3.0 L/min ≤ Q ≤ 7.5 L/min | 4.6 L/min | Complied |

Beijing Products Quality Supervision and Inspection Institute National Center for Quality Inspection and Testing of Furniture & Indoor Environment

| No. | Test Item | Standard Requirement | Test Result | Individual Verdict |
|---|---|---|---|---|
| 3 | Service Performance-Hydraulic Performance-Flow Rate-Bath tap / Shower tap-Bath position / Shower position-Full-cold or full-hot position | Q ⩾ 6.0 L/min | N/A | / |
| | Service Performance-Hydraulic Performance-Flow Rate-Bath tap / Shower tap-Mixed-water position (for single-lever dual-control tap test, water temperature 34 ℃~44 ℃) | Q ⩾ 6.5 L/min | N/A | / |
| | Service Performance-Hydraulic Performance-Flow Rate-Bath tap / Shower tap-Without shower head | Q ⩾ 6.0 L/min | N/A | / |
| | Service Performance-Hydraulic Performance-Flow Rate-Bath tap / Shower tap-With shower head | 4.0 L/min ⩽ Q ⩽ 9.0 L/min | N/A | / |
| | Service Performance-Hydraulic Performance-Flow Rate-Washing-machine tap-Without shower head | Q ⩾ 6.0 L/min | N/A | / |
| | Service Performance-Hydraulic Performance-Flow Rate-Washing-machine tap-With shower head | 4.0 L/min ⩽ Q ⩽ 9.0 L/min | N/A | / |
| | Service Performance-Hydraulic Performance-Flow Rate-Washing-machine tap | Q ⩾ 9 L/min | N/A | / |
| | Surface Corrosion Resistance | After acetic-acid salt-spray test, appearance rating shall be no less than Grade 9 as specified in Table 1 | Grade 10 | Complied |

| No. | Test Item | Standard Requirement | Test Result | Individual Verdict |
|---|---|---|---|---|
| | | of GB/T 6461-2002. | | |

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