



Prüfbericht (konsolidierte Fassung) - Produkte

Test Report (abstract) - Products abstract

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| Prüfbericht-Nr.: Test report no.: | TUV SH 244537838HHQ03 | Auftrags-Nr.: Order no.: | 244537838 Seite 1 von 3 Page 1 of 3 |
| Kunden-Referenz-Nr.: Client reference no.: | ./. | Auftragsdatum: Order date: | 2023-08-17 |
| Auftraggeber: Client: | Genius Gmbh Im Dachsstueck 8 ; D-65549 Limburg; GERMANY | | |
| Prüfgegenstand: Test item: | - WMF ceramic 24cm frypan; - Tefal ceramic 24cm frypan; - Fissler ceramic 24cm frypan; - Genius Cerafit Revolution 24cm frypan | | |
| Bezeichnung / Typ-Nr.: Identification / Type no.: | WMF ceramic 24cm frypan; Tefal ceramic 24cm frypan; Fissler ceramic 24cm frypan; Genius Cerafit Revolution 24cm frypan | | |
| Auftrags-Inhalt: Order content: | Test on fitness for use acc. to client selected requirements | | |
| Prüfgrundlage: Test specification: | Internal control standard of factory company | | |
| Wareneingangsdatum: Date of sample receipt: | 2023-08-17; 2023-08-31; 2023-09-12; 2023-09-18 | | |
| Prüfmuster-Nr.: Test sample no.: | A003555209-001-003; A003561185-001 | | |
| Prüfzeitraum: Testing period: | 2023-08-17 - 2023-11-29 | | |
| Ort der Prüfung: Place of testing: | TÜV Rheinland (Shanghai) Co., Ltd. | | |
| Prüflaboratorium: Testing laboratory: | TÜV Rheinland (Shanghai) Co., Ltd. | | |
| Prüfergebnis*: Test result*: | Siehe Sonstiges / See Other | | |
| geprüft von: tested by: |  | | |
| Datum: Date: | 2023-12-27 | | |
| Stellung / Position: | Tiger Zhang / PE | genehmigt von: authorized by: |  |
| Ausstellungsdatum: Issue date: | 2023-12-27 | | |
| Stellung / Position: | | Stellung / Position: | Bei Cheng / Reviewer |
| Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery: | Prüfmuster vollständig und unbeschädigt Test item complete and undamaged | | |
| * Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) * Legend: P(ass) = passed a.m. test specification(s) | F(ail) = entspricht nicht o.g. Prüfgrundlage(n) F(ail) = failed a.m. test specification(s) | N/A = nicht anwendbar N/A = not applicable | N/T = nicht getestet N/T = not tested |



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| Absatz Clause | Anforderungen - Prüfungen / Requirements - Tests | Messergebnisse - Bemerkungen / Measuring results - Remarks |
| | | Ergebnis Result |

1. Test on non-stick property of the coating → pan fried egg test after abrasion test

| REQUIREMENTS / CRITERIA | RESULTS |
|--|---|
| <p>Requirements Abrasion: no area of non-stick surface shall be removed Non-stick: stop testing once grade 2 is reached; grade 5 = very good, grade 4 = good, grade 3 = fair, grade 2 = poor, grade 1 = very poor</p> <p>Criteria Abrasion: - Frequency: 40 rpm / min - Force: 3 kg - Movement: 100 mm - Evaluate each 250 cycles - Stop if basic material visible</p> <p>Egg Test (after each 500 abrasion cycles): - Whisk egg, pour in centre of heated pan, cook for 2 min, repeat 3 times - Evaluate easiness of removal - Stop if grade 2 is reached</p> | <p>Genius Cerafit Revolution - 19.000 cycles - No basic material visible - Non-stick: grade 4</p> <p>WMF Ceramic - 13.000 cycles - No basic material visible - Non stick: grade 4</p> <p>Tefal Ceramic - 9.000 cycles - Basic material visible - Non-stick: grade 4</p> <p>Fissler Ceramic - 9.000 cycles - Basic material visible - Non-stick: grade 4</p> |

2. Test on non-stick property of the coating → milk burn test after oven test

| REQUIREMENTS / CRITERIA | RESULTS |
|--|--|
| <p>Requirements Oven test: no damage for inner coating Non-stick: stop testing once grade 2 is reached; grade 5 = very good, grade 4 = good, grade 3 = fair, grade 2 = poor, grade 1 = very poor</p> <p>Criteria Oven test: - Put pan in oven (300°C) for 1 h - Cool down in water (20°C) - Stop if inner coating damaged</p> <p>Milk test (after each oven test): - Boil 20 ml milk until entirely evaporated and burn brown - Clean with water jet - Evaluate performance - Stop if grade 2 is reached</p> | <p>Genius Cerafit Revolution - 31 cycles - No damage to inner coating - Non-stick: grade 4</p> <p>WMF Ceramic - 26 cycles - No damage to inner coating - Non stick: grade 4</p> <p>Tefal Ceramic - 26 cycles - No damage to inner coating - Non-stick: grade 3</p> <p>Fissler Ceramic - 9 cycles - No damage to inner coating - Non-stick: grade 1</p> |

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| | | Ergebnis Result |

3. Test on non-stick property of the coating → pan fried egg test after salt corrosion test

| REQUIREMENTS / CRITERIA | RESULTS |
|---|--|
| <p>Requirements Salt corrosion test: no damage for inner coating Non-stick: stop testing once grade 2 is reached; grade 5 = very good, grade 4 = good, grade 3 = fair, grade 2 = poor, grade 1 = very poor</p> <p>Criteria Salt corrosion test: - Boil salt water solution (5%) in pan for 3 h - Evaluate inner coating</p> <p>Non-stick test (after each salt corrosion test): - Break egg in centre of heated pan, cook for 2 min, repeat 3 times - Evaluate easiness of removal - Stop if grade 2 is reached</p> | <p>Genius Cerafit Revolution - 22 cycles - No damage to inner coating - Non-stick: grade 4</p> <p>WMF Ceramic - 5 cycles - No damage to inner coating - Non stick: grade 2</p> <p>Tefal Ceramic - 25 cycles - No damage to inner coating - Non-stick: grade 4</p> <p>Fissler Ceramic - 25 cycles - No damage to inner coating - Non-stick: grade 4</p> |

4. Test on non-stick property of the coating → milk burn test after boiling 85°C dishwasher detergent

| REQUIREMENTS / CRITERIA | RESULTS |
|---|--|
| <p>Requirements Detergent test: no damage for inner coating Non-stick: stop testing once grade 2 is reached; grade 5 = very good, grade 4 = good, grade 3 = fair, grade 2 = poor, grade 1 = very poor</p> <p>Criteria Detergent test: - Boil dishwashing solution (powder and liquid) for 1 h - Evaluate inner coating</p> <p>Non-stick test (after each detergent test): - Boil 20 ml milk until entirely evaporated and burn brown - Clean with water jet - Evaluate performance - Stop if grade 2 is reached</p> | <p>Genius Cerafit Revolution - 20 cycles - No damage to inner coating - Non-stick: grade 4</p> <p>WMF Ceramic - 5 cycles - No damage to inner coating - Non stick: grade 1</p> <p>Tefal Ceramic - 9 cycles - No damage to inner coating, but color stains - Non-stick: grade 1</p> <p>Fissler Ceramic - 6 cycles - No damage to inner coating - Non-stick: grade 1</p> |