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Cologne, 28.10.2022

# Report No. 0001126024/10 AZ 585170

| | |
|---|---|
| Test item: | Paella Pan |
| Identification: | Paella Pan |
| Condition at delivery: | No claim |
| Date of delivery: | 24.10.2022 |
| Place of testing: | Cologne |
| Test period: | 25.10.2022 to 28.10.2022 |
| Test scope: | Parameters selected by customer |
| Test specification: | § 31 LFGB (German Lebensmittel-, Bedarfsgegenstände- und Futtermittelgesetzbuch) |
| Test result: | According to the kind and extent of tests performed the test item meets the requirements of the test specification. |

tested by:

28.10.2022 X

Sachverständige(r)/Expert
Signiert von: Klaus Kaiser

authorized by:

28.10.2022 X

Sachverständige(r)/Expert
Signiert von: Anne Endesfelder

## Photo documentation

**Picture 1: Paella Pan**

## List of materials

AZ 585170

| Article | Article name |
|---|---|
| 1 | Paella Pan |

| Mat. No. | Article | Component | Material | Colour |
|---|---|---|---|---|
| 001 | 1 | Interior | enamel | black |

## Results

**Migration of heavy metals, enamel**

| **Sample composition** | **Mat. 001** | | | | |
|---|---|---|---|---|---|
| Sample No. | 585170-001 | | | | |
| Unit | mg/kg food simulant | | | | |
| **Soluble heavy metals** | | | | | |
| Migration period | 3 | | | | |
| Migration solution | 3 % HAC | | | | |
| Conditions of migration | 2h 95°C | | | | |
| Silver | <0,03 | | | | |
| Aluminium | <0,2 | | | | |
| Cobalt | 0,032 | | | | |
| Chromium | <0,05 | | | | |
| Copper | <1 | | | | |
| Manganese | 0,140 | | | | |
| Molybdenum | <0,05 | | | | |
| Nickel | 0,032 | | | | |
| Vanadium | <0,005 | | | | |
| Zinc | <2 | | | | |
| Antimony | <0,02 | | | | |
| Arsenic | <0,001 | | | | |
| Barium | <0,3 | | | | |
| Cadmium | <0,001 | | | | |
| Lithium | 0,052 | | | | |
| Lead | <0,005 | | | | |

3 % HAC 3 % acetic acid

Evaluation of the results according to "Vitreous and porcelain enamels - Release from enamelled articles in contact with food - Methods of test and limits (ISO 4531:2022)"
Silver 0,08 mg/kg food simulant
Aluminium 1 mg/kg food simulant
Cobalt 0,1 mg/kg food simulant
Chromium 0,25 mg/kg food simulant
Copper 4 mg/kg food simulant
Manganese 1,8 mg/kg food simulant
Molybdenum 0,12 mg/kg food simulant
Nickel 0,14 mg/kg food simulant
Vanadium 0,01 mg/kg food simulant
Zinc 5 mg/kg food simulant
Antimony 0,04 mg/kg food simulant
Arsenic 0,002 mg/kg food simulant
Barium 1,2 mg/kg food simulant
Cadmium 0,005 mg/kg food simulant
Lithium 0,48 mg/kg food simulant
Lead 0,01 mg/kg food simulant

The value given in the table is already standardized to the required surface to volume ratio of 5 $dm^2/l$.

## Summary of methods

| Migration of heavy metals, enamel | Standard: ISO 4531 | Issue date: 01.04.22 |
|---|---|---|
| Method description:<br>Vitreous and porcelain enamels - Release from enamelled articles in contact with food - Methods of test and limits,<br>Quantification by ICP OES according to DIN EN ISO 11885 respectively ICP MS according to DIN EN ISO 17294-2 | | |

## Version directory

| Version No. | Report No. | List of changes | Date |
|---|---|---|---|
| 1 | 0001126024/10 AZ 585170 | First edition | 2022-10-28 |

Only the version last shown in the version directory is valid. The previous version(s) shown in the table lose their validity immediately. The customer has to make sure that the previous versions are no longer taken into account.

----End of report----