

Konformitätserklärung (nach ISO/IEC 17050-1)
Declaration of conformity (according ISO/IEC 17050-1)

Jacob

Nummer / Number KE-KV-0013

Hersteller / Manufacturer Jacob GmbH
Elektrotechnische Fabrik
Gottlieb-Daimler-Straße 11
D-71394 Kernen

Produkt / Product Kabelverschraubungen und Zubehör / Cable glands and accessories

Bezug / Reference **California Proposition 65**
officially known as the
"Safe Drinking Water and Toxic Enforcement Act of 1986"

Die von uns gefertigten Produkte sind ausschließlich Produkte für Gewerbe und Industrie. Die von uns gefertigten Produkte sind keine Consumer-Produkte.

Einige Produkte können sehr geringe Mengen der im "Safe Drinking Water and Toxic Enforcement Act of 1986" (California Proposition 65) aufgeführten Substanzen enthalten.

In einigen Produkten ist Blei als Legierungsbestandteil in geringen Mengen enthalten. Als anerkannter Nachweis für die Bestimmung der Konzentration und Abgabe von Blei und Cadmium gilt der NIOSH-Wisch-Test (NIOSH Manual of Analytical Methods, Brookhaven National Laboratory Paper Number IH 75190, Method 9100).

Für die Produkte mit Blei wurden drei geeignete Repräsentanten aus unserem Produktprogramm ausgewählt, Artikel 10.7515 M/G, 50.663 M und K150-1063-00. Die im NIOSH-Wisch-Test ermittelten Ergebnisse und Testparameter liegen unter den Konzentrationen, die gemäß California Proposition 65 erlaubt sind. Der Prüfbericht 20220430 ist im Anhang.

Somit treffen die Anforderungen des US-Bundesstaats Kalifornien aus dem "Safe Drinking Water and Toxic Enforcement Act of 1986" für unsere Produkte nicht zu. Auf dieser Basis stellen wir derzeit keine Warnhinweise auf unseren Produkten und Verpackungen zur Verfügung. Wir werden die Anforderungen des US-Bundesstaates Kalifornien weiterhin beobachten.

Bei Bedarf informieren Sie sich zu California Proposition 65 unter <https://oehha.ca.gov/proposition-65/about-proposition-65>

The products we manufacture are exclusively products for commerce and industry. The products we manufacture are not consumer products.

Some products may contain small amounts of substances listed by "Safe Drinking Water and Toxic Enforcement Act of 1986" (California Proposition 65).

Some products contain small amounts of lead as an alloy component. The NIOSH wipe test is recognized as proof for determining the concentration and release of lead and cadmium (NIOSH Manual of Analytical Methods, Brookhaven National Laboratory Paper Number IH 75190, Method 9100). For the products with lead, three suitable representatives were selected from our product range, part nos. 10.7515 M/G, 50.663 M and K150-1063-00. The results and test parameters determined in the NIOSH wipe test are below the concentrations permitted as per California Proposition 65. The test report 20220430 is attached.

Therefore the requirements of the State of California from the "Safe Drinking Water and Toxic Enforcement Act of 1986" do not apply to our products. On this basis, we currently do not provide warning labels on any of our products and packaging. We will continue to monitor the requirements of the State of California.

For more information about California Proposition 65 you may visit

<https://oehha.ca.gov/proposition-65/about-proposition-65>

Anhang: Prüfbericht 20220430
Annex: Test Report 20220430

Ort, Datum Kernen, 19.07.2022
Place, Date

Unterschrift, Name, Funktion
Signature, Name, Function


Ralf Block, Produktmanager
Product Manager



Test Report 20220430

Version 2: English version

for:

Jacob GmbH
Elektrotechnische Fabrik
Herr Ralf Block
Gottlieb-Daimler-Straße 11
71394 Kernen im Remstal

1. Test specimen:

3 samples in accordance with order per email dated 02/06/2022
(Sample labelling see appendix.)

2. Date of arrival:

16/05/2022

3. Test realization:

16/05/2022 - 22/06/2022

4. Testing method:

4.1. Determination of Lead and Cadmium release acc. to NIOSH Wipe Sampling Procedure, NIOSH Manual of Analytical Methods, Brookhaven National Laboratory Paper Number IH 75190, Method 9100.
Analysis of the solutions regarding Lead (Pb) and Cadmium (Cd) by means of ICP-OES according to DIN EN ISO 11885:2009-09 (1).

5. Sampling / Sample preparation:

See appendix.

6. Results:

See appendix.

7. Testing uncertainties:

See appendix.

8. Epilogue:

All investigations were done in view of the latest scientific-technical trends and to the best of one's knowledge and belief. The testing results exclusively refer to the test specimens. In order to avoid misinterpretations the present report may only be printed, copied and transmitted in its completeness. To copy extractions needs a written permission by the FGK.

12/07/2022

i.V. Dr. Markus Pohlmann-Lortz
Laborleiter / Laboratory Supervisor



This test report consists of 1 page and an appendix of 2 pages.

Re 1. Test specimen:

3 samples labelled as

Sample 1: "Part 10.7515 M/G, Screw plug made of brass CuZn39Pb3 as per EN 12164, surface nickel-plated",

Sample 2: "Part 50.663 M, PERFECT cable gland made of brass CuZn39Pb3 as per EN 12164, surface nickel-plated" and

Sample 3: "Part K150-1063-00, WADI one cable gland made of brass CuZn39Pb3 as per EN 12164, surface nickel-plated".

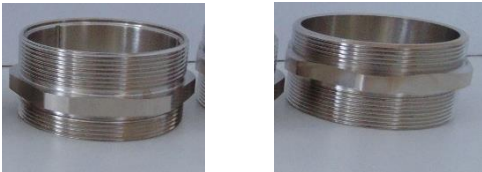
Sample 1 consists of a one-piece test specimen. Samples 2 and 3 each consist of two different components.



Figures 1 and 2: Sample 1 "Part 10.7515 M/G, Screw plug made of brass CuZn39Pb3 as per EN 12164, surface nickel-plated", different perspectives.



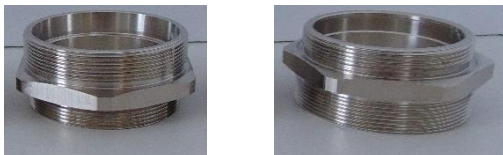
Figures 3 and 4: Sample 2a "Part 50.663 M, PERFECT cable gland made of brass CuZn39Pb3 as per EN 12164, surface nickel-plated", different perspectives.



Figures 5 and 6: Sample 2b "Part 50.663 M, PERFECT cable gland made of brass CuZn39Pb3 as per EN 12164, surface nickel-plated", different perspectives.



Figures 7 and 8: Sample 3a "Part K150-1063-00, WADI one cable gland made of brass CuZn39Pb3 as per EN 12164, surface nickel-plated", different perspectives.



Figures 9 and 10: Sample 3b "Part K150-1063-00, WADI one cable gland made of brass CuZn39Pb3 as per EN 12164, surface nickel-plated", different perspectives.

Re 5. Sampling / Sample preparation:

Sampling and delivery to the FGK was under responsibility of the customer.

The test specimens were cleaned and dried at the FGK. The NIOSH wipe test was then carried out. For samples 2 and 3, the individual metallic components were each wiped with a ½ NIOSH wiping cloth and then digested together in an autoclave.

Re 6. Results:

6.1. Determination of the release of lead and cadmium according to NIOSH wipe test

Table 1

| Testing Parameter | Sample 1 "Part 10.7515 M/G, Screw plug made of brass CuZn39Pb3 as per EN 12164, surface nickel-plated" |
|-------------------|--|
| Lead [mg/wipe] | 0.07 |
| Cadmium [mg/wipe] | < 0.003 |
| NIOSH wipe amount | 1 |

Table 2

| Testing Parameter | Sample 2 "Part 50.663 M, PERFECT cable gland made of brass CuZn39Pb3 as per EN 12164, surface nickel-plated" |
|-------------------|--|
| Lead [mg/wipe] | 0.12 |
| Cadmium [mg/wipe] | < 0.003 |
| NIOSH wipe amount | 1 |

Table 3

| Testing Parameter | Sample 3 "Part K150-1063-00, WADI one cable gland made of brass CuZn39Pb3 as per EN 12164, surface nickel-plated" |
|-------------------|---|
| Lead [mg/wipe] | 0.18 |
| Cadmium [mg/wipe] | < 0.003 |
| NIOSH wipe amount | 1 |

Table 4: Limits of the NIOSH 9100 Wipe Test according to Proposition 65, August 18, 2005 Settlement Provisions by California Superior Court San Francisco*

| Use | Lead [mg/wipe] | Cadmium [mg/wipe] |
|----------------------------|----------------|-------------------|
| For food/beverage use ware | 1 | 8 |
| Not for food/beverage | 4 | 32 |

*Source: James A. Calderwood, Andrew Bopp: Summary of California Proposition 65 Settlement Related to Lead and Cadmium Exposure from Outside Surfaces of Glass and Ceramicware – Copyright 2005 Society of Glass and Ceramic Decorators.

Re 7. Testing uncertainties:

The measurement uncertainties are strongly dependent on the respective element concentration and possible matrix effects.