

Report No.: 48255715c 001

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Client: Holar Industrial Inc.
12F., No.50, Fu-Hsin North Road, TAIPEI 10491, TAIWAN, R.O.C.

Identification/Model No(s): Stainless steel oil can

Sample obtaining method: Sending by customer

Condition at delivery: Test item complete and undamaged.

Sample receiving date: 2024-12-12

Testing period: 2024-12-12 – 2025-03-31

Place of testing: TÜV Rheinland Hong Kong Ltd.

Test specification:

Selected parameter(s) requested by the customer with reference to following regulation:

Article 3 (1) of Regulation (EC) No.1935/2004

- Sensorial examination
- Specific Release of Metals

Test result:

Pass

Pass

For and on behalf of
TÜV Rheinland Taiwan Ltd.



2025-04-02
Date

Arthur Cheng/Project Manager
Name/Position



Report Authenticity Verification, please email: softlines@tw.tuv.com.

*Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.
This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.
"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.*

Material List:

Mat. no.	Material	Color	Location
1	Metal	Metallic	TCL241212-02

Test Results

1. Sensorial examination

Test method: It is examined to the extent of food simulant being used, which comes into contact with the product, undergoes detectable changes in taste and smell.
For this purpose, the food simulant was stored in the product under the below mentioned time and temperature. Afterwards, the food simulant was examined by an appropriate number of tasters with regard to any divergence in smell and taste. Another test sample, which was used as a reference, was treated by the same way except that it had no contact with the product to be tested.

Before testing, the product had been cleaned according to the product's instruction manual or in the absence of such manual, by normal household cleaning.

The test is carried out on the basis of ISO 13302 by paired comparison test:

Evaluation scheme:
 0 = No discernible deviation
 1 = Barely discernible deviation
 2 = Weak deviation
 3 = Clear deviation
 4 = Strong deviation
 Limit: 3 (failed)

The following food simulants and conditions were applied:

Food simulant	Test duration / Temperature
Water	10 day(s) / 40 °C

Material no.	Mat. 1
Parameter:	Result
Transfer of Smell:	0
Transfer of Taste:	0

The examined item does meet the requirement.

2. Specific Release of Metals

Test method: The sample preparation is performed with reference to "Technical Guide on Metals and alloys used in food contact materials and articles"- 2nd Edition. Presence of elements were detected by means of ICP-MS.

Limit: Technical Guide on Metals and alloys used in food contact materials and articles – 2nd Edition

The following food simulant and condition was applied per client's request:

Food simulant	Test duration / Temperature
Artificial tap water	10 day(s) / 40 °C

Material no.			Mat. 1			
Parameter	Unit	RL	Sum 1 st + 2 nd test		3 rd test	
			Result	Limits ⁽²⁾	Result	Limits ⁽¹⁾
Silver (Ag)	mg/kg	0.05	<RL	0.56	<RL	0.08
Aluminum (Al)	mg/kg	0.1	<RL	35	<RL	5
Cobalt (Co)	mg/kg	0.01	<RL	0.14	<RL	0.02
Chromium (III) (Cr)	mg/kg	0.01	<RL	7	<RL	1
Copper (Cu)	mg/kg	0.5	<RL	28	<RL	4
Iron (Fe)	mg/kg	5	<RL	280	<RL	40
Manganese (Mn)	mg/kg	0.1	<RL	3.85	<RL	0.55
Molybdenum (Mo)	mg/kg	0.02	<RL	0.84	<RL	0.12
Nickel (Ni)	mg/kg	0.01	<RL	0.98	<RL	0.14
Tin (Sn)	mg/kg	10	<RL	700	<RL	100
Vanadium (V)	mg/kg	0.01	<RL	0.07	<RL	0.01
Zinc (Zn)	mg/kg	1	<RL	35	<RL	5
Zirconium (Zr)	mg/kg	0.1	<RL	14	<RL	2
Arsenic (As)	mg/kg	0.002	<RL	0.014	<RL	0.002
Barium (Ba)	mg/kg	0.1	<RL	8.4	<RL	1.2
Beryllium (Be)	mg/kg	0.01	<RL	0.07	<RL	0.01
Cadmium (Cd)	mg/kg	0.002	<RL	0.035	<RL	0.005
Mercury (Hg)	mg/kg	0.003	<RL	0.021	<RL	0.003
Lithium (Li)	mg/kg	0.02	<RL	0.336	<RL	0.048
Lead (Pb)	mg/kg	0.01	<RL	0.07	<RL	0.01
Antimony (Sb)	mg/kg	0.01	<RL	0.28	<RL	0.04
Thallium (Tl)	mg/kg	0.0005	<RL	0.007	<RL	0.001

Abbreviations: RL = Reporting Limit
mg/kg = Milligram per kilogram
< = Less than

Remark:

- Compliance is established on the findings on the third test for products intended for repeated use.
- In addition, the sum of each metal in the first and second test should not exceed the sevenfold limit.
- The examined item does meet the requirement.

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Test Sample



--- End of Test-Report ---