

Test Report No.: 68.431.23.9367.01

Dated: 2023-11-22



Applicant :

Attention :

Sample Description : stainless steel cutleryset-SS18/0 , stainless steel cutlery set-SS13/0

Buyer : Supreminox S.A.

Country of Origin : China

Exported to : Spain

Test Sample Receipt Date, Location : 2023-11-13, Shenzhen

Test Period, Location : From 2023-11-13 to 2023-11-21, Shenzhen

Test Result(s) : Refer to Section 3

Laboratory:
TÜV SÜD Certification and
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Shenzhen Branch

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Building 12&13, Zhiheng Wisdomland Business Park,
Nantou Checkpoint Road 2, 518052, P. R. China

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Purpose Of Examination / Conclusion:

Test Requested:	As specified by client, to test per the selected requirement(s) for the tested item(s) as stated in the Regulation (EC) No.1935/2004
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No.	Test Item(s)	Conclusion
1	Extractable 23 Heavy Metals Test as specified in EDQM Technical Guide Council of Europe Resolution CM/Res(2013)9	Pass
2	Sensory test	Pass

Remarks:

- (1) The results relate only to the items tested.
- (2) Samples are tested as received.
- (3) The test item and samples were specified by the client
- (4) "Pass" means the measured result is within a limit, even when extended by expanded uncertainty. "Fail" means the measured result is beyond a limit, even when extended by expanded uncertainty. "Inconclusive" means the measured result can be within or beyond a limit when extended by expanded uncertainty. The confidence level of the expanded uncertainty for "Pass", "Fail" and "Inconclusive" is 95%.

TüV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
TüV SÜD Group

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1. Description of the Submitted Sample:



Sample Description	stainless steel cutleryset-SS18/0 , stainless steel cutlery set-SS13/0
	
	
	
	

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2. List of Materials as identified by the Laboratory:

T. No.	Sample No.	Colour and Description	Photograph
T1	001	Silvery stainless steel (Spoon- SS18/0)	
T2	002	Silvery stainless steel (Knife- SS13/0)	

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3. Test Result

3.1 Extractable 23 Heavy Metals

Test as specified in EDQM Technical Guide Council of Europe Resolution CM/Res(2013)9

Sample(s) was tested with below test condition, and followed by ICP-OES and ICP-MS analysis

Test Conditions: 0.5% citric acid: 70 °C for 0.5 Hour

Elements	Result(s) of 1 st + 2 nd Migration [mg/kg foodstuff]	Result(s) of 3 rd Migration [mg/kg foodstuff]	7*Maximum Permissible Limits [mg/k g foodstuff]	Maximum Permissible Limits [mg/k g foodstuff]
	SAMPLE 001			
1. Aluminum (Al)	<0.2	<0.1	35	5
2. Antimony (Sb)	<0.01	<0.005	0.28	0.04
3. Arsenic (As)	<0.0008	<0.0004	0.014	0.002
4. Barium(Ba)	<0.2	<0.1	8.4	1.2
5. Beryllium (Be)	<0.004	<0.002	0.07	0.01
6. Cadmium (Cd)	<0.0008	<0.0004	0.035	0.005
7. Chromium (Cr)	<0.10	<0.050	1.75	0.25
8. Cobalt (Co)	<0.004	<0.002	0.14	0.02
9. Copper (Cu)	<0.2	<0.1	28	4
10. Iron (Fe)	0.5	<0.1	280	40
11. Lead (Pb)	<0.02	<0.01	0.07	0.01
12. Lithium (Li)	<0.01	<0.005	0.336	0.048
13. Magnesium (Mg)	<0.1	<0.05	-	-
14. Manganese (Mn)	<0.2	<0.1	12.6	1.8
15. Mercury (Hg)	<0.001	<0.0005	0.021	0.003
16. Molybdenum (Mo)	<0.004	<0.002	0.84	0.12
17. Nickel (Ni)	<0.1	<0.05	0.98	0.14
18. Silver (Ag)	<0.004	<0.002	0.56	0.08
19. Thallium (Tl)	<0.0002	<0.0001	0.0007	0.0001
20. Tin (Sn)	<1.0	<0.5	700	100
21. Titanium (Ti)	<0.1	<0.05	-	-
22. Vanadium (V)	<0.004	<0.002	0.07	0.01
23. Zinc (Zn)	<0.2	<0.1	35	5

Note 1. "°C" denotes degree Celsius

2. "<" denotes less than

3. "mg/kg" denotes milligram per kilogram



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	SAMPLE 002			
1. Aluminum (Al)	<0.2	<0.1	35	5
2. Antimony (Sb)	<0.01	<0.005	0.28	0.04
3. Arsenic (As)	<0.0008	<0.0004	0.014	0.002
4. Barium (Ba)	<0.2	<0.1	8.4	1.2
5. Beryllium (Be)	<0.004	<0.002	0.07	0.01
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3.2 Sensory test

Test method: With reference to DIN 10955:2023.

The submitted sample was treated with below test conditions. After this treatment, treated food simulant was examined by panels with regard to any divergence in smell and taste.

Test Item	Test Conditions	Grade Results		Recommend Level
		Sample 001	Sample 002	
Transfer of smell	Distilled water: 70°C for 0.5 Hour	1	1	<3.0
Transfer of taste	Distilled water: 70°C for 0.5 Hour	1	1	<3.0
Conclusion		Pass	Pass	-

Note:

- Explanation for grading are listed as below:
 Grade 0 : No perceptible taste/smell deviation
 Grade 1 : Just perceptible taste/smell deviation
 Grade 2 : Weak taste/smell deviation
 Grade 3 : Clear taste/smell deviation
 Grade 4 : Strong taste/smell deviation

-- END OF TEST REPORT--