



Test Report

No.T52310260052TC

Date: MAR 07, 2023

Page 1 of 5

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The results of this report are extracted from the test report number T52210272706TC where the sample(s) / material(s) of sample is(are) claimed to be identical.

The following samples were submitted and identified by/on behalf of the client as:

GLUE STICK PVA .GLUE STICK PURPLE

Style No. : 843977, 843978
Item No. : 1.GLUE STICK PVA 40G 843977
 : 2.GLUE STICK PURPLE 843978
Requested Age Grading : 3+

SGS Ref. No. : SHHL2302007487TY
Sample Receiving Date : MAY 25, 2022
Further Information Date : MAR 02, 2023
Testing Period : MAY 25, 2022 TO JUN 06, 2022



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Page 2 of 5

| Test Requested | Conclusion |
|--|------------|
| 1. Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725, Commission Directive (EU) 2019/1922 – EN 71-3:2019 + A1:2021 – Migration of certain elements in the specified specimen(s) as listed | PASS |

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
SGS-CSTC Standards Technical
Services Co., Ltd. Shenzhen Branch Testing Center

Qu Ping, Kiky
Dept. Manager



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Results:

Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725, Commission Directive (EU) 2019/1922 – EN 71-3:2019+A1:2021 – Migration of certain elements

Category II: Liquid or Sticky toy material

Method: With reference to EN 71-3:2019+A1:2021. Analysis of general elements was performed by ICP-MS / Chromium (III) was obtained by calculation, chromium (VI) was analyzed by IC-UV-Vis or LC-ICP-MS / organic tin was analyzed by GC-MS.

| Test Item(s) | Result(s) | | MDL | Permissible Limit |
|---|-----------|-------|--------|-------------------|
| | 1 | 2 | | |
| Specimen No. | | | -- | -- |
| Mass of trace amount (mg) | / | / | -- | -- |
| Soluble Aluminium (Al) (mg/kg) | ND | ND | 50 | 560 |
| Soluble Antimony (Sb) (mg/kg) | ND | ND | 1.0 | 11.3 |
| Soluble Arsenic (As) (mg/kg) | ND | ND | 0.4 | 0.9 |
| Soluble Barium (Ba) (mg/kg) | ND | ND | 50 | 375 |
| Soluble Boron (B) (mg/kg) | ND | ND | 50 | 300 |
| Soluble Cadmium (Cd) (mg/kg) | ND | ND | 0.1 | 0.3 |
| Soluble Chromium+ (Cr) (mg/kg) | ND | 0.021 | 0.015 | -- |
| Soluble Chromium (III) (Cr (III)) (mg/kg) | ND | ND | 1.0 | 9.4 |
| Soluble Chromium (VI) (Cr (VI)) (mg/kg) | ND | ND | 0.0025 | 0.005 |
| Soluble Cobalt (Co) (mg/kg) | ND | ND | 0.5 | 2.6 |
| Soluble Copper (Cu) (mg/kg) | ND | ND | 50 | 156 |
| Soluble Lead (Pb) (mg/kg) | ND | ND | 0.2 | 0.5 |
| Soluble Manganese (Mn) (mg/kg) | ND | ND | 50 | 300 |
| Soluble Mercury (Hg) (mg/kg) | ND | ND | 0.5 | 1.9 |
| Soluble Nickel (Ni) (mg/kg) | ND | ND | 9 | 18.8 |
| Soluble Selenium (Se) (mg/kg) | ND | ND | 4 | 9.4 |
| Soluble Strontium (Sr) (mg/kg) | ND | ND | 50 | 1125 |
| Soluble Tin (Sn) (mg/kg) | ND | ND | 0.03 | 3750 |
| Soluble Organic Tin -- (mg/kg) | ND | ND | -- | 0.2 |
| Soluble Zinc (Zn) (mg/kg) | ND | ND | 50 | 938 |

Specimen Description:

1. White glue stick
2. Purple glue stick



- Note:
- mg/kg = milligram per kilogram
 - mg = milligram
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - 1% = 10000 mg/kg = 10000 ppm
 - + Soluble Chromium is not restricted by EN 71-3:2019+A1:2021, results shown only for reference

Remark 1: Since the data and / or information above division line of front page is provided by the applicant, the relevant results or conclusions of this report are only made for these data and / or information, SGS shall not be responsible for the authenticity and integrity of such data and information and the validity of the results and / or conclusions arising therefrom. Testing results only apply to the sample as received.

Remark 2: The statement of conformity has considered the decision rule based on the Guarded acceptance (8.3.2 of ISO/IEC GUIDE 98-4:2012)- When the measured value falls within the guard band, only the test data and measurement uncertainty will be reported. The guard band is equal to the expanded measurement uncertainty with a 95% coverage probability($k=2$), $w = U_{95}$. The Probability of False Accept and the Probability of False Reject of the decision rule are 2.5%.

For Upper Tolerance Limit (T_U):

Pass - when the measurement result is below $T_U - U_{95}$

Fail - when the measurement result is above $T_U + U_{95}$

Inconclusive - when the measurement result is falling in guard band [$T_U - U_{95}$, $T_U + U_{95}$]

For Lower Tolerance Limit (T_L):

Pass - when the measurement result is above $T_L + U_{95}$

Fail - when the measurement result is below $T_L - U_{95}$

Inconclusive - when the measurement result is falling in guard band [$T_L - U_{95}$, $T_L + U_{95}$]



Sample Photo:



SGS authenticate the photo on original report only

*** End of Report ***

