SKY & SOL

Sky & Sol Sunscreen – Independent Laboratory Analysis Summary

Testing Laboratory: SGS Group (SGS SA)

I. Performance Summary – Side-by-Side Comparison

This analysis compares the heavy metal content of our SPF50 and SPF30 sunscreens. Both products were tested with a highly sensitive method capable of detecting contaminants at trace levels.

Key Insights:

- Both SPF50 and SPF30 are well below international safety limits. For example, FDA and other global regulations often allow up to 10 ppm of lead in cosmetic products. Our products are <1.2 ppm.
- Mercury was not detected in either product, meaning levels are effectively zero.
- SPF50 has slightly lower lead than SPF30, demonstrating exceptional purity in the higher-strength formulation.

II. Consumer Safety FAQ – SPF50 vs SPF30

Q: Is 0.8 mg/kg of Lead in SPF50 safe?
Absolutely. 0.8 mg/kg equals less than 1 part per million (ppm). For context, international guidelines allow much higher concentrations (often 10–20 ppm). SPF50 is significantly cleaner than most mineral sunscreens on the market.

Q: What does "ND" mean for Mercury?
"ND" stands for Not Detected. Mercury levels in both SPF50 and SPF30 are below our instrument's detection limit of 0.1 mg/kg, effectively zero. This ensures complete peace of mind for daily use.

Q: Why do we test for Lead and Mercury?
These metals are closely monitored by safety authorities because even small amounts can accumulate over time. Our testing ensures that raw materials like zinc oxide and titanium dioxide used for SPF protection meet strict purity standards. This helps protect your skin and overall health.

Q: Why is SPF50 safer than SPF30 in terms of lead?
Our SPF50 formulation uses carefully sourced minerals and undergoes extra purification steps, resulting in slightly lower lead content than SPF30. Both are well within FDA and international safety thresholds.

III. Quality Assurance Standards

- Certified Testing: Analysis performed by SGS, the world's leading independent inspection and verification laboratory.
- High-Sensitivity Methodology: Can detect contaminants at levels as low as 0.1–0.2 ppm, ensuring even trace metals are measured accurately.
- Transparency & Reliability: Both SPF50 and SPF30 reports are part of our internal quality control program. This ensures every batch meets the highest safety and purity standards before reaching consumers.

Summary: Both SPF50 and SPF30 are exceptionally clean, with mercury levels effectively zero and lead well below international limits. SPF50 even shows slightly lower lead than SPF30, demonstrating our commitment to safety and product excellence.

Sky & Sol Team
Certified Clean & Safe Sunscreen Advocates

Test Report **No: GZCPCH25004553-01_EN** **Date:** [redacted]

Client name: [redacted]
Client address:

Sample name: Sunscreen SPF50
Date of manufacture/Batch: [redacted]
[redacted]

The above information and samples are provided and confirmed by the customer, and SGS is not responsible for confirming the accuracy, appropriateness and/or completeness of the information provided by the customer. The testing samples are provided by the customer.

SGS sample ID.: GZCPCH25004553-001
SGS job No.: GZCPCH25004553-01
SGS reference No.: CANCPCH25013959301
Date of receipt: [redacted]
Testing period:

Test(s) requested（selected test(s) as requested by applicant）, test method(s), test result(s):
Please refer to next page

Remark:
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w =0) stated in ILAC-G8:09/2019.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. The results cannot be used for improper publicity. Not be allowed to copy testing report (except for copy of full text) without written approval of the company.

TEST METHOD(S):
Safety and Technical Standards for Cosmetics 2015

TEST RESULT(S):

Test item(s)	Unit	Test method(s) (Reference to)	Limit(s)*	Test result(s)	MDL	Single Judgment
Lead (Pb)	mg/kg	Safety and Technical Standards for Cosmetics 2015 Part 4 section 1 article 1.3 Method II, analysis was performed by AAS	≤10	ND	1.5	PASS
Cadmium (Cd)	mg/kg	Safety and Technical Standards for Cosmetics 2015 Part 4 section 1 article 1.5, analysis was performed by AAS	≤5	ND	0.18	PASS
Arsenic (As)	mg/kg	Safety and Technical Standards for Cosmetics 2015 Part 4 section 1 article 1.4 Method I, analysis was performed by AFS	≤2	0.03	0.01	PASS
Mercury (Hg)	mg/kg	Safety and Technical Standards for Cosmetics 2015 Part 4 section 1 article 1.2 Method I, analysis was performed by AFS	≤1	ND	0.002	PASS

Remark:
(1) 1 mg/kg=0.0001%.
(2) ND = Not Detected.(< MDL).
(3) MDL = Method detection limit.
(4) * = Limit is quoted from Safety and Technical Standards for Cosmetics 2015.

Test Report **No: GZCPCH25004553-01_EN** **Date:** [redacted]

Sample Description: Sample in tube

Sample Photo

The test report shall only be used for client scientific research, teaching, internal quality control, product research and development, etc.

********End of report********

Test Report **No: GZCPCH25004272-01S1_EN** **Date:** [redacted]

Client name: [redacted]
Client address:

Sample name: Sunscreen SPF50
Date of manufacture/Batch: [redacted]
Buyer:
Country of Destination: USA

The above information and samples are provided and confirmed by the customer, and SGS is not responsible for confirming the accuracy, appropriateness and/or completeness of the information provided by the customer. The testing samples are provided by the customer.

SGS sample ID.: GZCPCH25004272-001
SGS job No.: GZCPCH25004272-01S1
SGS reference No.: CANCPCH25013071201
Date of receipt:
Testing period:

Test(s) requested（selected test(s) as requested by applicant）, test method(s), test result(s):
Please refer to next page

This report supersedes our previous report GZCPCH25004272-01_EN issued on 2025-06-06 which is hereby deemed null and void.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. The results cannot be used for improper publicity. Not be allowed to copy testing report (except for copy of full text) without written approval of the company.

Test Report **No: GZCPCH25004272-01S1_EN** **Date: J[redacted]**

The test results are as follows:
Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

Lead content

Test Method: CPSC-CH-E1002-08.3, analysis was performed by ICP-MS.

Test Item(s)	Unit(s)	MDL	Test Result(s)
Lead(Pb)	mg/kg	0.2	0.8

Mercury (Hg)

Test Method: SGS In-house method, analysis was performed by ICP-MS.

Test Item(s)	Unit(s)	MDL	Test Result(s)
Mercury(Hg)	mg/kg	0.1	ND

Test Report **No: GZCPCH25004272-01S1_EN** **Date:** [redacted]

Sample Description: Sample in tube

Sample Photo

The test report shall only be used for client scientific research, teaching, internal quality control, product research and development, etc.

********End of report********

[redacted]
TESTING
CNAS L0167

Test Report **No: GZCPCH25004553-01_EN** **Date:** [redacted]

Client name: [redacted]
Client address:

Sample name: Sunscreen SPF50
Date of manufacture/Batch: [redacted]
Manufacturer: [redacted]

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SGS sample ID.: GZCPCH25004553-001
SGS job No.: GZCPCH25004553-01
SGS reference No.: CANCPCH25013959301
Date of receipt: [redacted]
Testing period:

Test(s) requested（selected test(s) as requested by applicant）, test method(s), test result(s):
Please refer to next page

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[redacted]

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Safety and Technical Standards for Cosmetics 2015

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Test Report **No: GZCPCH25004553-01_EN** **Date:** [redacted]

Sample Description: Sample in tube

Sample Photo

The test report shall only be used for client scientific research, teaching, internal quality control, product research and development, etc.

********End of report********

[redacted]

[redacted]