CENTRE FOR CRUELTY–FREE TESTING (CCFT)

(MIET Meerut)

FIST Centre Sponsored by DST, Government of India
(ISO 9001:2015; 14001:2015, OECD Compliant)

Assessment for the Absence of Endocrine Disruptor Chemicals: Phthalates, Parabens, UV Filters (Octisalate, Homosalate, Octocrylene, Oxybenzone, Octinoxate, Avobenzone), Triclosan, Lead, Arsenic, Cadmium and Mercury levels In Sun shield for mama SPF 70 PA++++ (Batch No.-C261092)

SPONSOR

Relvyn Healthcare Private Limited

CLINICAL RESEARCH ORGANIZATION

MITTAL GLOBAL CLINICAL TRIAL SERVICES (MGCTS)

TEST LABORATORY

Centre for Cruelty-Free Testing, MIET Meerut
NH-58, Delhi-Roorkee Highway, Baghpat Bypass Road Crossing, Meerut, U.P. – 250005

PROJECT NO	**: CCFT-2026-07-589F**
REPORT NO.	**: MIET/CCFT/2026-07/589F/EDCs**
DATE	**: 15-07-2026**

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1. STATEMENT OF COMPLIANCE

I, the undersigned hereby declare that **Project No. CCFT-2026-07-589F Report No. MIET/CCFT/2026-07/589F/EDCS**; entitled **"Assessment for the Absence of Endocrine Disruptor Chemicals: Phthalates, Parabens, UV Filters (Octisalate, Homosalate, Octocrylene, Oxybenzone, Octinoxate, Avobenzone), Triclosan, Lead, Arsenic, Cadmium and Mercury levels** "was performed under the standard procedure of Centre for Cruelty-free Testing, MIET Meerut, UP, as well as the approved study plan.

I hereby attest to the authenticity of the study and guarantee that this report is a true and accurate record of the results obtained and shall not be reproduced except in full, without the written approval of the Sponsor.

All original raw data including documentation, the draft report, a copy of the final report, and the representative test sample are archived at CCFT, MIET, NH-58, Delhi-Roorkee Highway, Baghpat Bypass Road Crossing, Meerut – 250005, India for a period of nine years. There were no circumstances that may have affected the quality and integrity of the study.

The sponsor of the study is responsible for the necessary evaluation of the test sample concerning the chemicals, purity, identity, stability, and other required data.

Anurag

Principal Investigator **15-07-2026**
Dr. Anurag Chaudhary (M. Pharm PhD) **Date**

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2. STATEMENT BY TEST FACILITY MANAGEMENT

Management of the test facility has made available all the resources to the Principal Investigator necessary for conducting the present study in compliance with the principles of GLP.

I, the undersigned, take overall responsibility for the reliability of the work described in the report in accordance with GLP.

Anurag

Laboratory Scientist **15-07-2026**
Dr. Anurag Chaudhary (M.Pharm PhD) **Date**

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3. QUALITY ASSURANCE REPORT

Project No. CCFT-2026-07-589F/ Report No. MIET/CCFT/2026-07/589F/EDCs entitled "Assessment for the Absence of Endocrine Disruptor Chemicals: Phthalates, Parabens, UV Filters (Octisalate, Homosalate, Octocrylene, Oxybenzone, Octinoxate, Avobenzone), Triclosan, Lead, Arsenic, Cadmium and Mercury levels " was subjected to inspection by Quality Assurance Unit.

This report has been audited by the Quality Assurance Unit and is an accurate account of the data generated and of the procedures followed. In each case, the outcome of the QA evaluation is reported to the Principal Investigator and Management on the day of evaluation. Audits of study documentation, and process inspections appropriate to the type and schedule of this study were as follows:

Standard Test Method Compliance Audit	: 08-07-2026
Test Material Preparation	: 15-07-2026
Date of Testing	: 15-07-2026
Draft Report Audit	: 15-07-2026
Final Report Date	: 15-07-2026

Garima

QUALITY ASSURANCE OFFICER **15-07-2026**
Ms. Garima Agarwal (M.Pharm) **Date**

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4. STUDY PERSONNEL

Principle Investigator : Dr. Anurag Chaudhary (M Pharm, PhD)

Co- Principle Investigator : Mr. Nilay Kumar Nandi (M.Pharm)

Study Managers : Ms. Garima Agarwal (M.Pharm)

: Mr. Ankit Chaudhary (M.Pharm)

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5. INTRODUCTION & METHOD

A. **Purpose of the Study**:

"Assessment for the Absence of Endocrine Disruptor Chemicals: Phthalates, Parabens, UV Filters (Octisalate, Homosalate, Octocrylene, Oxybenzone, Octinoxate, Avobenzone), Triclosan, Lead, Arsenic, Cadmium and Mercury levels"

REFERENCES:

1. Ranganadham, U., 2017. Method Development for Analysis A of Phthalates s by HPLC. https://www.pharmaguideline.com/2011/08/test-for-free-formaldehyde.html?m=1
2. Lu, H., Ma, H. and Tao, G., 2009. Spectrophotometric determination of triclosan in personal care products. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 73(5), pp.854-857.
3. Imamović B, Šober M, Becić E. HPLC Determination of Some Frequently Used Parabens in Sunscreens. Int J Pharm Teach Pract. 2012; 3:219-24.
4. Abou Al Alamein AM, Elwy HM, El-Din SH. Univariate and multivariate spectrophotometric methods for simultaneous determination of avobenzone and octinoxate in pure form and in cosmetic formulations: A comparative study. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy. 2019 Jan 5;206:37-47.
5. Abdel-Ghany MF, Abdel-Aziz O, Ayad MF, Mikawy NN. Simultaneous Determination of Octinoxate, Oxybenzone, and Octocrylene in a Sunscreen Formulation Using Validated Spectrophotometric and Chemometric Methods. Journal of AOAC International. 2015 Sep 1;98(5):1215-25.

SAMPLE PROCESSING:

- The sample was used for all the tests.
- Reagents for all the tests were freshly prepared as per the Guidelines (mentioned in the Reference section)

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TEST COMPOUND: SUN SHIELD FOR MAMA SPF 70 PA++++ (BATCH NO.-C261092)

SPONSOR : RELVYN HEALTHCARE PRIVATE LIMITED
CRO : MITTAL GLOBAL CLINICAL TRIAL SERVICES (MGCTS)
STUDY : ENDOCRINE-DISRUPTING CHEMICALS (EDCS)
PROJECT NO : CCFT-2026-07-589F
REPORT NO : MIET/CCFT/2026-07/589F/EDCs

RESULT:

Sample Name	Parameter	Results
Sun shield for mama SPF 70 PA++++ (Batch No.-C261092)	Phthalates	Absent
	Triclosan	Absent
	Parabens	Absent
	Octisalate	Absent
	Homosalate	Absent
	Octocrylene	Absent
	Oxybenzone	Absent
	Octinoxate	Absent
	Avobenzone	Absent
	Lead	BLQ
	Cadmium	BLQ
	Arsenic	BLQ
	Mercury	BLQ

INTERPRETATION: "The samples were found to be free of Phthalates, Parabens, UV Filters (Octisalate, Homosalate, Octocrylene, Oxybenzone, Octinoxate, Avobenzone), and Triclosan. Additionally, Lead, Arsenic, Cadmium and Mercury levels were within the permissible limits."

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6. ARCHIVE

On completion of the study, the study plan, experiment data, raw data, documentation, and a copy of the final report (MIET/CCFT/2026-07/589F) are retained in the Institute's Archives at CCFT, MIET, NH-58, Delhi-Roorkee Highway, Baghpat Bypass Road Crossing, Meerut – 250005, India for a period of nine years.

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7. CERTIFICATE

This is to certify that the ***"Assessment for the Absence of Endocrine Disruptor Chemicals: Phthalates, Parabens, UV Filters (Octisalate, Homosalate, Octocrylene, Oxybenzone, Octinoxate, Avobenzone), Triclosan, Lead, Arsenic, Cadmium and Mercury levels "*** supplied by **Relvyn Healthcare Private Limited** was performed. During the study, it was found that **Sun shield for mama SPF 70 PA++++ (Batch No.- C261092)** did not contain Phthalates, Parabens, UV Filters (Octisalate, Homosalate, Octocrylene, Oxybenzone, Octinoxate, Avobenzone), and Triclosan. Additionally, Lead, Arsenic, Cadmium and Mercury levels were within the permissible limits."

The report of the ***"Assessment for the Absence of Endocrine Disruptor Chemicals: Phthalates, Parabens, UV Filters (Octisalate, Homosalate, Octocrylene, Oxybenzone, Octinoxate, Avobenzone), Triclosan, Lead, Arsenic, Cadmium and Mercury levels "*** conducted has been submitted through **Project No: CCFT-2026-07-589F/EDCS.**

NOTE: Results and conclusions apply only to the test article tested. Any extrapolation of these data to other samples is the supplier's responsibility.

ARCHIVE: Study plan, Experiment data, raw data, documentation, and a copy of the final report (MIET/CCFT/2026-07/589F) are retained in the Institute's Archives at CCFT, MIET, NH-58, Delhi-Roorkee Highway, Baghpat Bypass Road Crossing, Meerut – 250005, India for a period of nine year.

PRINCIPLE INVESTIGATOR	SIGNATURE	DATE
Dr. Anurag Chaudhary (M.Pharm, PhD)		**15-07-2026**

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ANNEXURE – I: REFERENCES

REFERENCES:

- Ranganadham, U., 2017. Method Development for Analysis A of Phthalates s by HPLC.
- https://www.pharmaguideline.com/2011/08/test-for-free-formaldehyde.html?m=1
- Lu, H., Ma, H. and Tao, G., 2009. Spectrophotometric determination of triclosan in personal care products. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 73(5), pp.854-857.
- Imamović B, Šober M, Becić E. HPLC Determination of Some Frequently Used Parabens in Sunscreens. Int J Pharm Teach Pract. 2012; 3:219-24.
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- Abdel-Ghany MF, Abdel-Aziz O, Ayad MF, Mikawy NN. Simultaneous Determination of Octinoxate, Oxybenzone, and Octocrylene in a Sunscreen Formulation Using Validated Spectrophotometric and Chemometric Methods. Journal of AOAC International. 2015 Sep 1;98(5):1215-25.

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