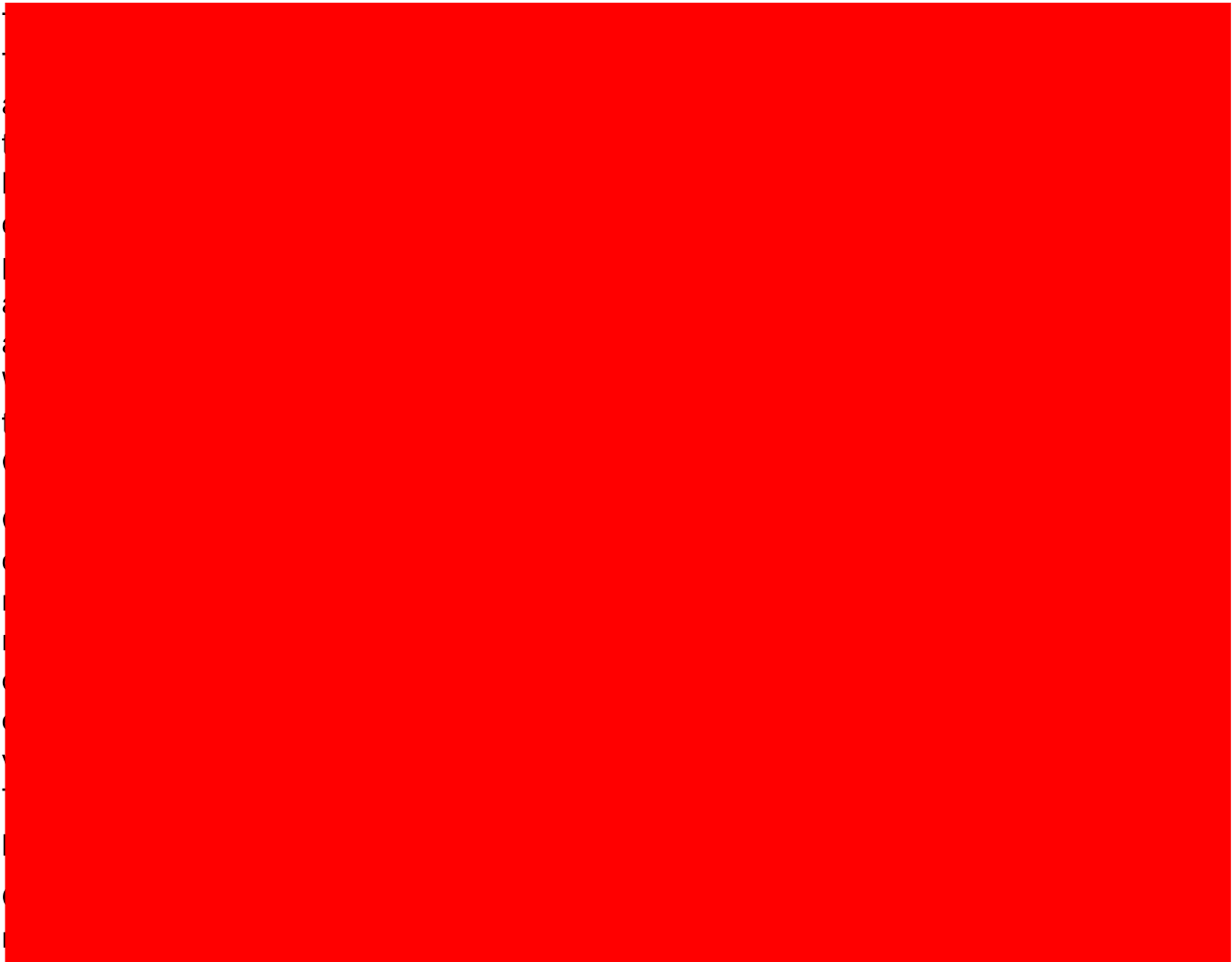


PRE-EXTRACTION DECARBOXYLYATION

SOP Number	Title of SOP	Version	Date Effective
001	Pre-Extraction Decarboxylation	1.0 (Original)	9/21/2021
Author	Reviewer	Approved By	Date Approved
[REDACTED]			9/21/2021

PURPOSE

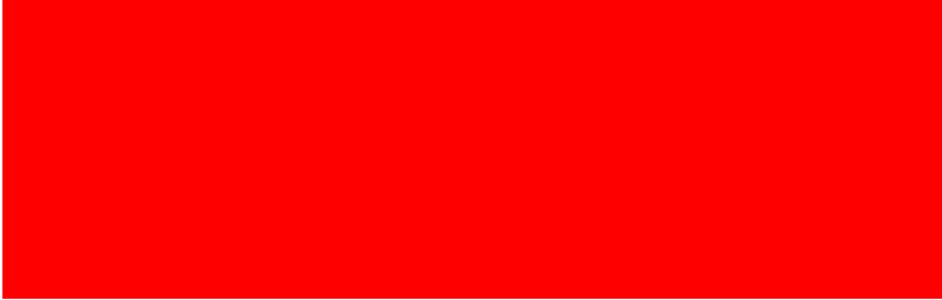




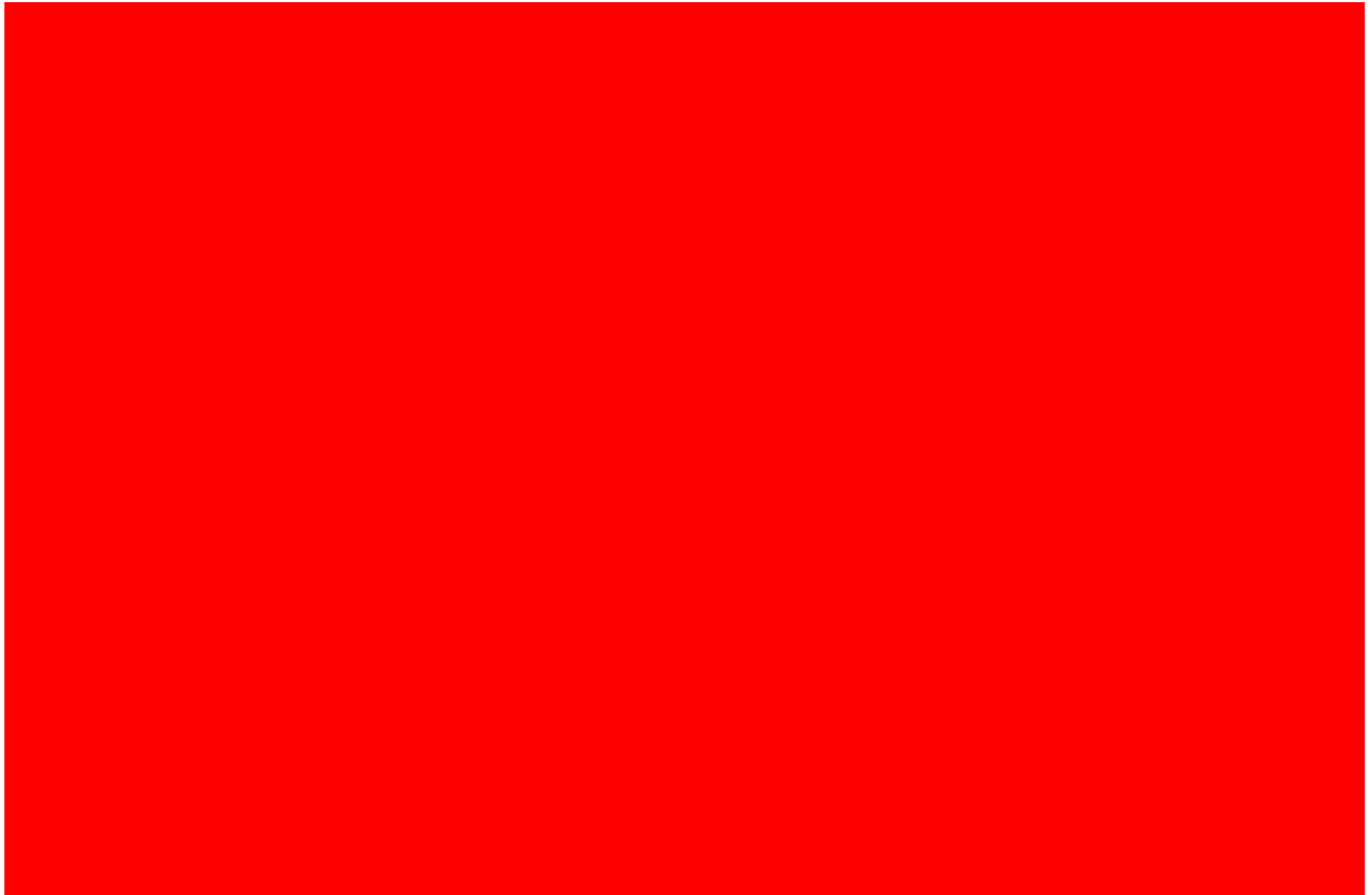
MATERIALS

- Cannabis biomass
- Storage containers

EQUIPMENT



PROCEDURE



REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description

POST-EXTRACTION DECARBOXYLYATION

SOP Number	Title of SOP	Version	Date Effective
002	Post-Extraction Decarboxylation	1.0 (Original)	9/21/2021
Author	Reviewer	Approved By	Date Approved
[REDACTED]			9/21/2021

PURPOSE

To decarboxylate cannabis extracts after they have been extracted from the plant material. Wasatch may use a vacuum desiccator oven to decarboxylate cannabis resin after it has been extracted from plant material. Placing the extract under vacuum pressure means less heat is required for decarboxylation, preserving the fragile terpenes, terpenoids, and flavonoids that would otherwise break down under the full heat required for decarboxylation.

MATERIALS

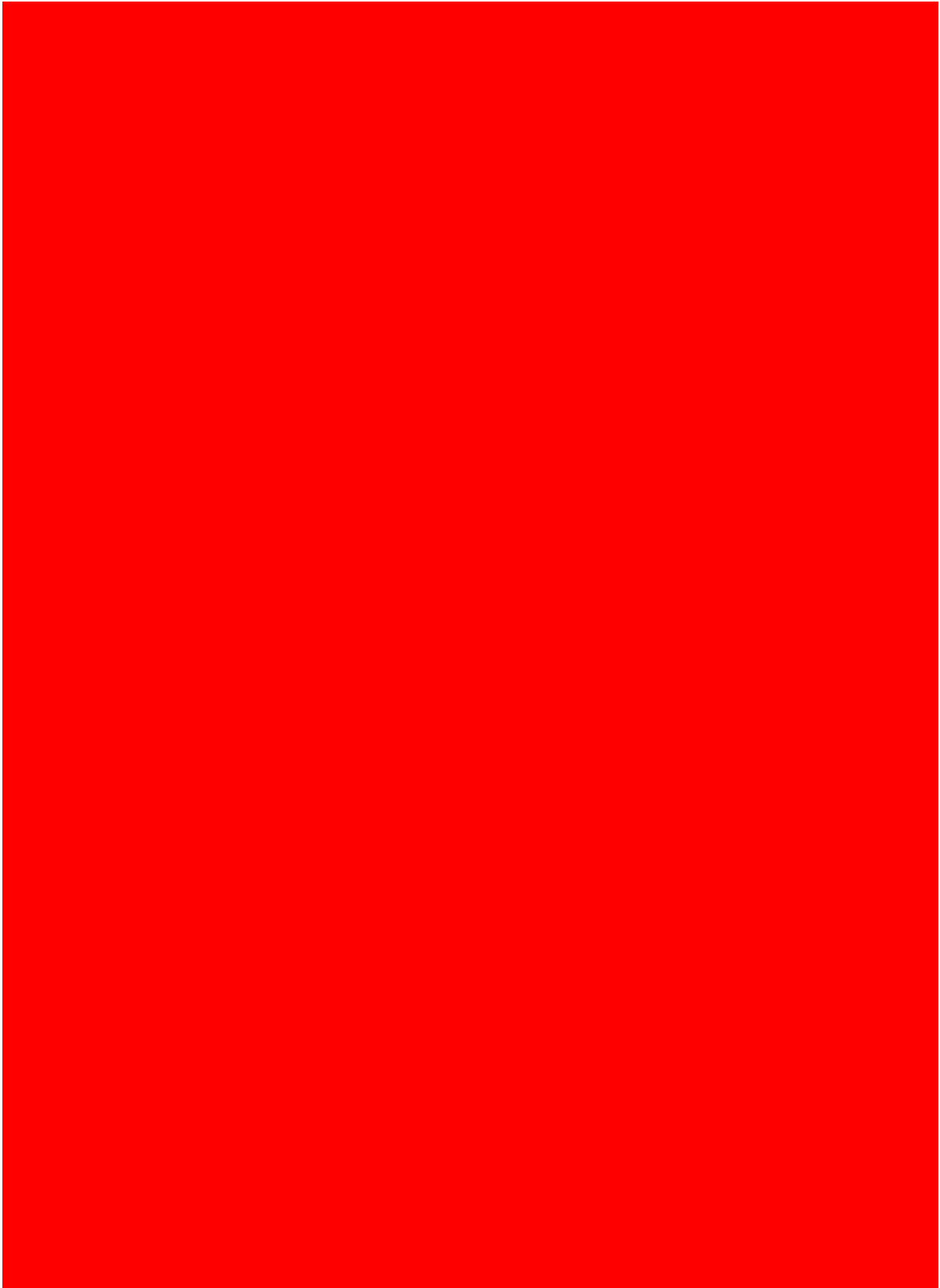
[REDACTED]

EQUIPMENT

[REDACTED]

PROCEDURE

[REDACTED]



REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description

PURIFICATION

SOP Number	Title of SOP	Version	Date Effective
003	Purification	1.0 (Original)	9/21/2021
Author	Reviewer	Approved By	Date Approved
[REDACTED]			9/21/2021

PURPOSE

After performing the initial extraction of phytochemicals using the procedures described in this plan, use the appropriate following post-extraction method and procedure to refine, purge, and/or activate the cannabis resin. These processes may be necessary or optional, depending on the extraction method used and the cannabis-infused product being made.

Post-extraction purification begins with the process of Winterization. Winterization is carried out by mixing the cannabinoid-rich extracted solution with food grade ethanol and is then placed in a freezer at low temperatures (the lower the temperature, such as in a low-temp lab freezer, the faster this process occurs) in order to allow waxes to precipitate from the solution. Once the waxes have separated from the extract/ethanol tincture it is then filtered to remove the waxes and any plant material. Progressively finer grades of micron filter paper will remove waxes to purify the solution even further. Falling film and rotary evaporator technology will separate the ethanol from the refined crude product. After separation, the crude will be decarboxylated under heat and manual agitation before it is fractionally distilled. Fractional distillation will refine the product to achieve 85%+ delta-9-THC potency with desired total cannabinoids in 90%+ range.

Parts per million for one (1) gram of finished extract produced in Wasatch's cannabis manufacturing facility will not exceed five hundred [5] parts per million of residual solvent or gas when quality assurance tested.

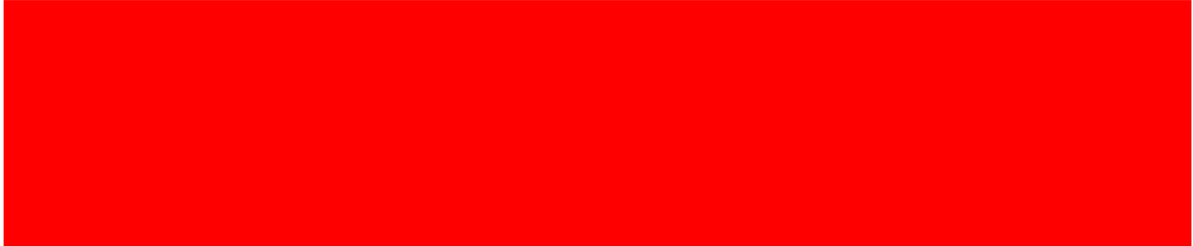
MATERIALS

- Cannabis oil

EQUIPMENT



PROCEDURE



REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description

WINTERIZATION

SOP Number	Title of SOP	Version	Date Effective
004	Winterization	1.0 (Original)	9/21/2021
Author	Reviewer	Approved By	Date Approved
Brent Steffensen, Lab Manager	Steve Gosdis, President	Steve Gosdis, President	9/21/2021

PURPOSE

The purpose of this SOP is to describe the winterization process.

MATERIALS

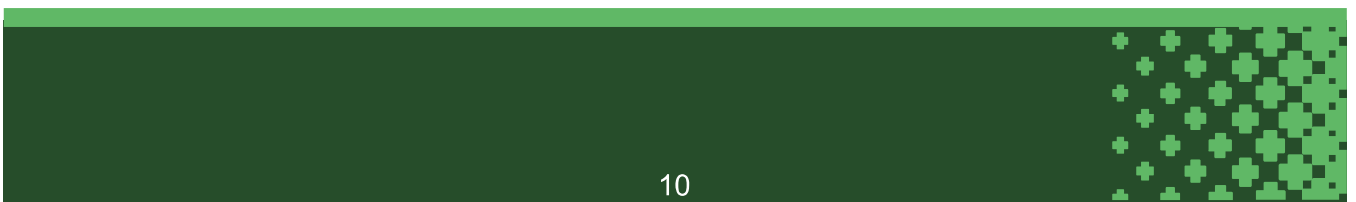
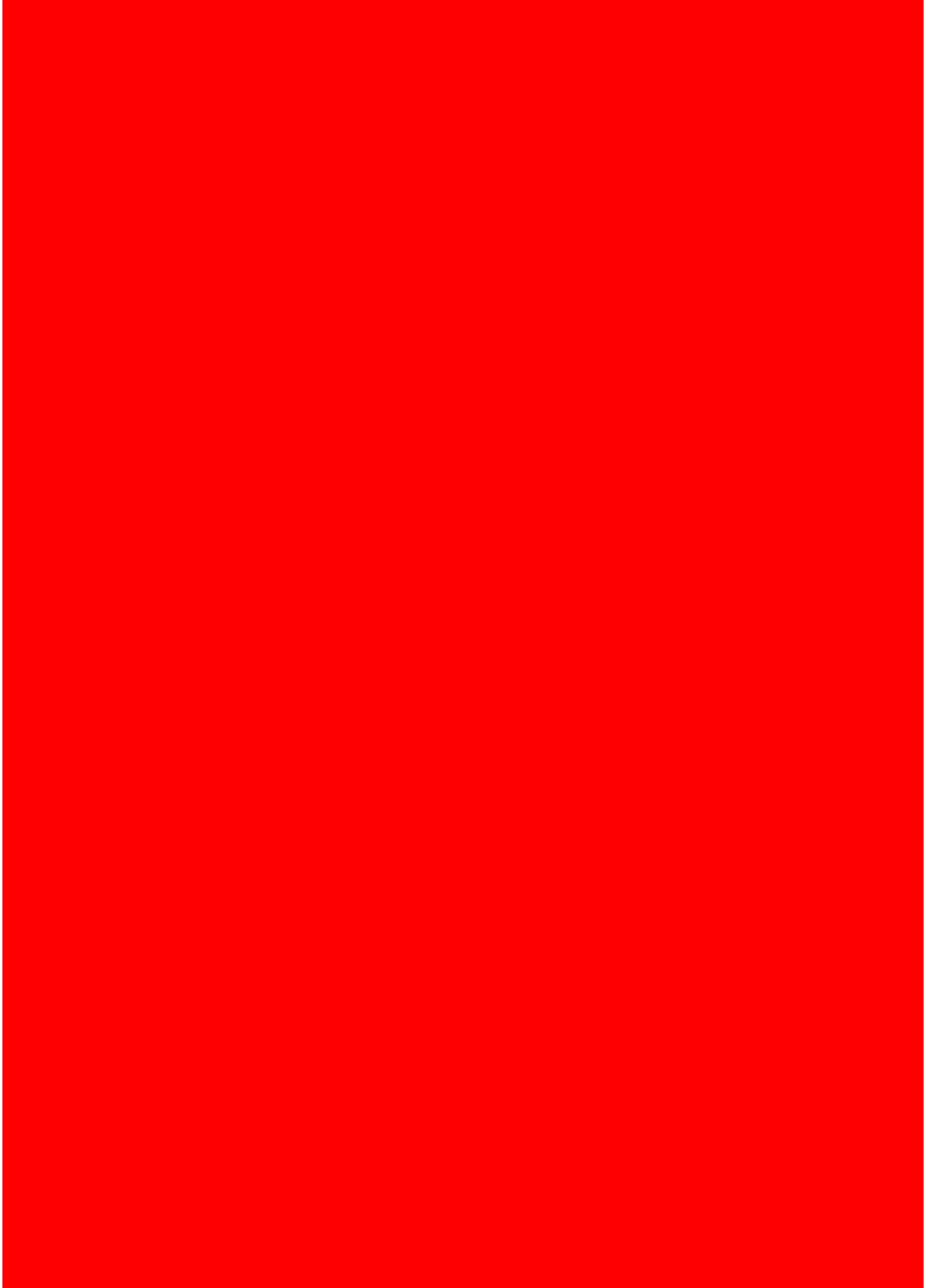
- Cannabis oil

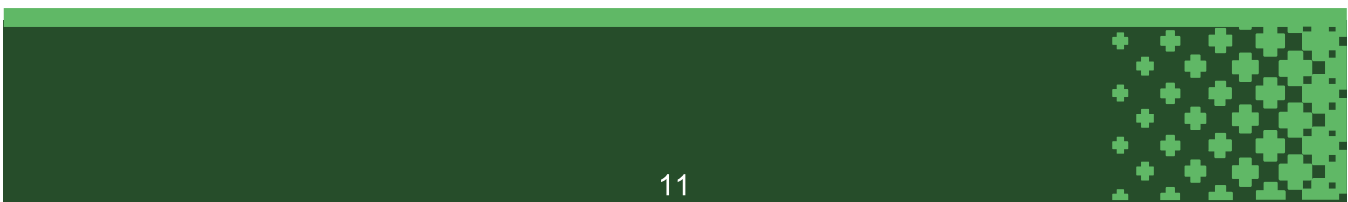
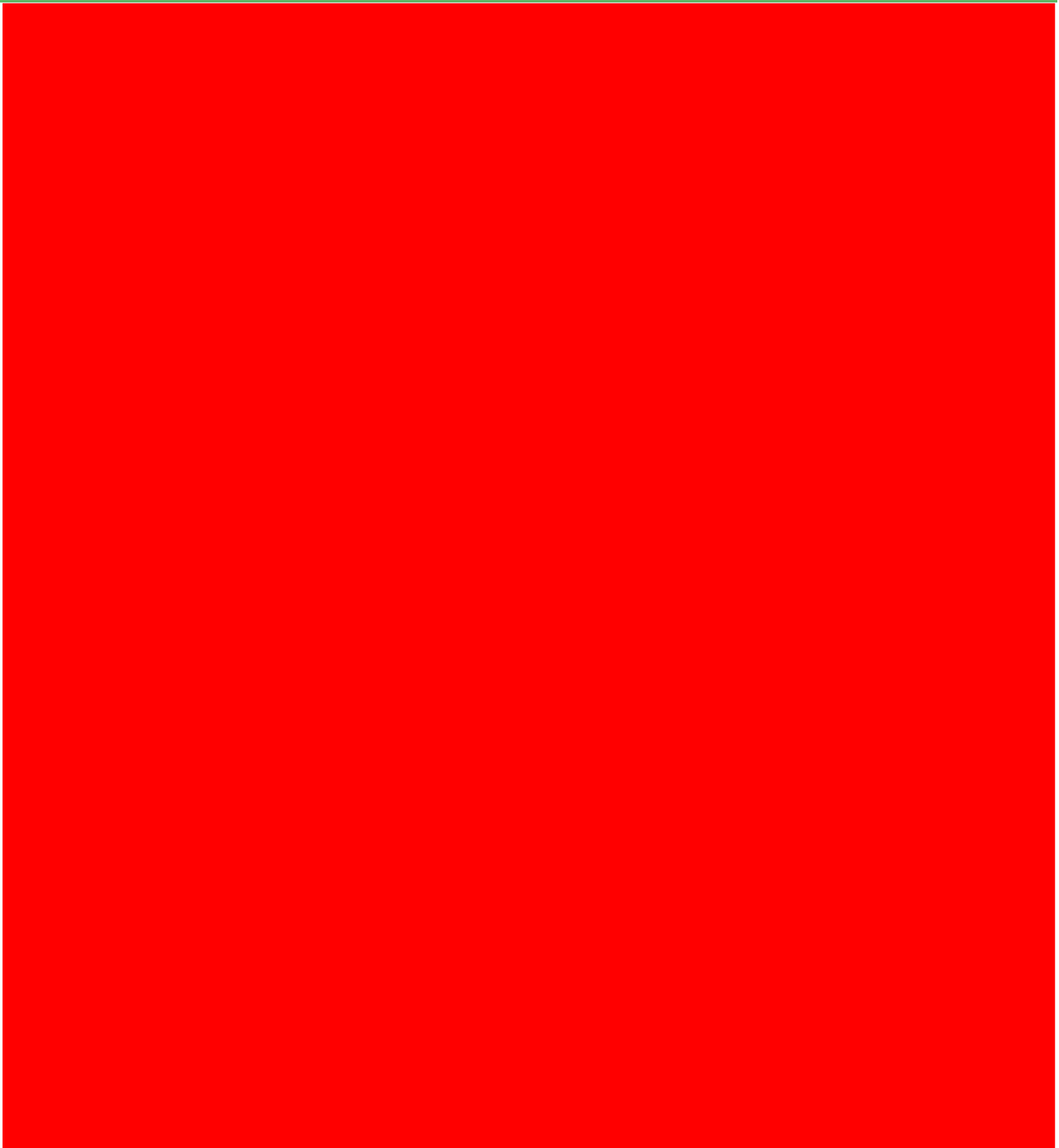
EQUIPMENT



PROCEDURE







REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description

SHORT PATH DISTILATION

SOP Number	Title of SOP	Version	Date Effective
005	Short Path Distillation	1.0 (Original)	9/21/2021
Author	Reviewer	Approved By	Date Approved
[REDACTED]			9/21/2021

PURPOSE

The purpose of this SOP is to describe the short path distillation process.

MATERIALS

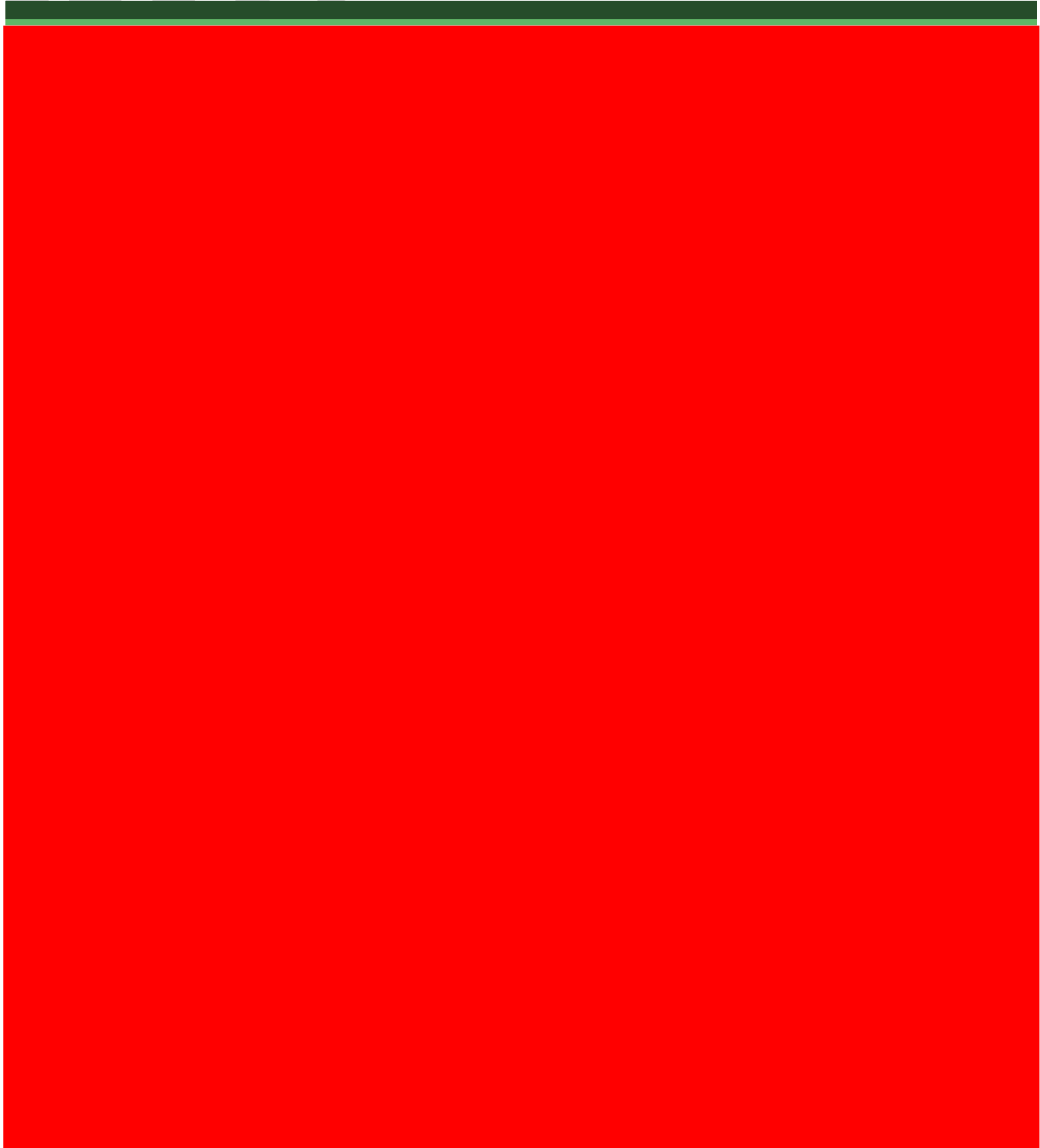
- Decarbed cannabis oil

EQUIPMENT



PROCEDURE





REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description

L80 CRYO CHILLER

SOP Number	Title of SOP	Version	Date Effective
006	L80 Cryo Chiller	1.0 (Original)	9/21/2021
Author	Reviewer	Approved By	Date Approved
[REDACTED]			9/21/2021

PURPOSE

The purpose of this SOP is to describe the process for operating the L80 Cryo Chiller.

MATERIALS

[REDACTED]

EQUIPMENT

[REDACTED]

PROCEDURE

[REDACTED]



REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description

FALLING FILM EVAPORATOR

SOP Number	Title of SOP	Version	Date Effective
007	Falling Film Evaporator	1.0 (Original)	9/21/2021
Author	Reviewer	Approved By	Date Approved
[REDACTED]			9/21/2021

PURPOSE

The purpose of this SOP is to describe the process of operating the Falling Film Evaporator.

MATERIALS

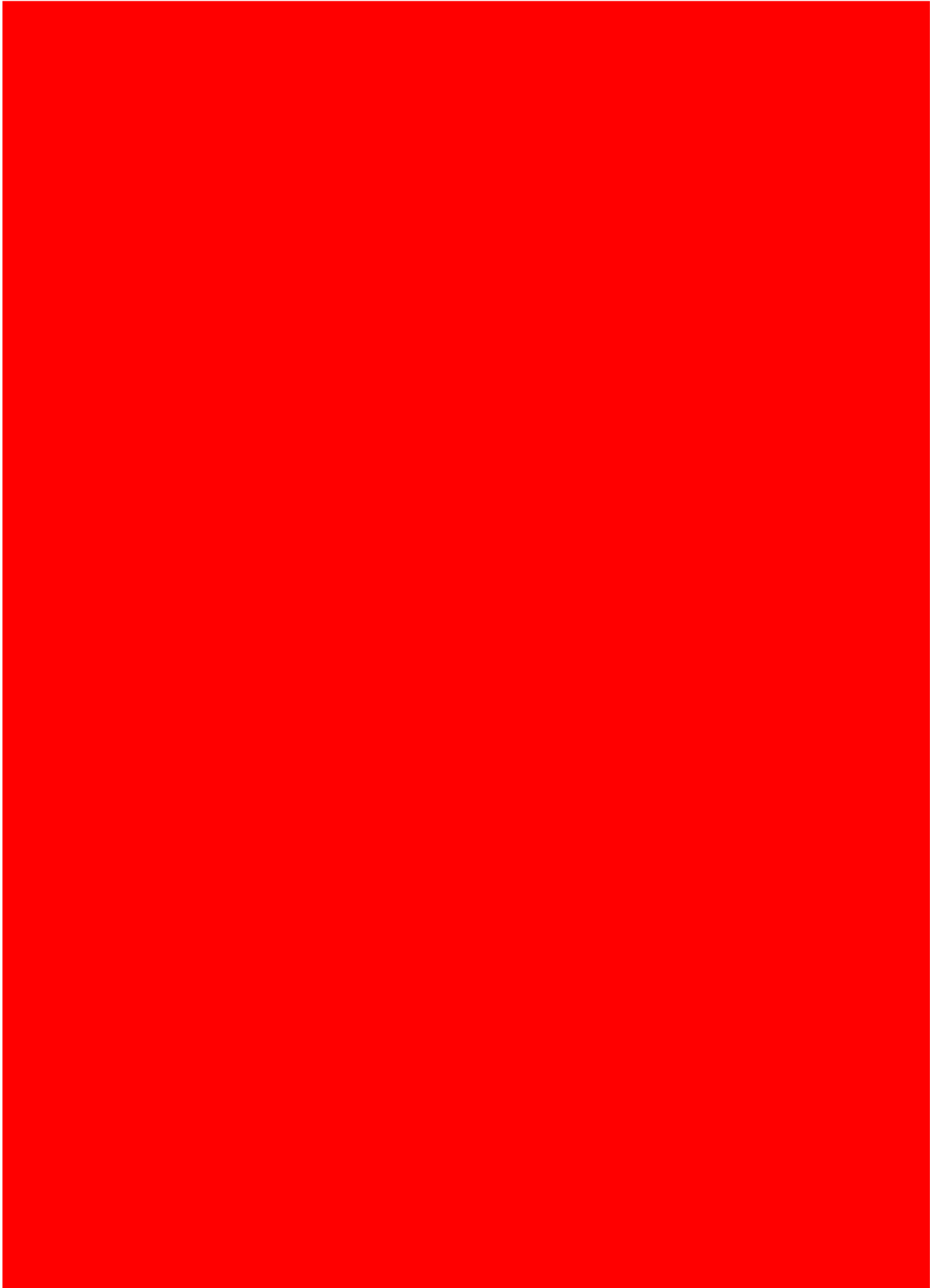
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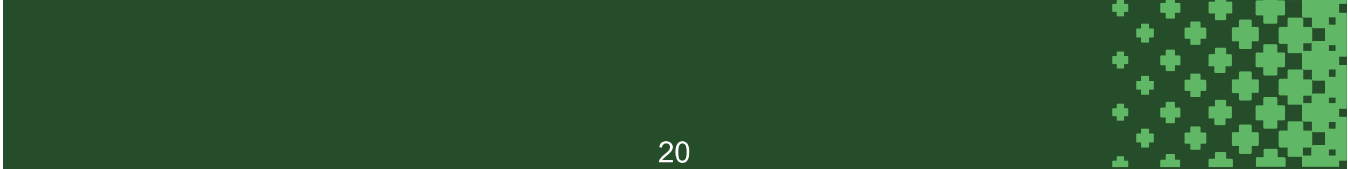
EQUIPMENT

[REDACTED]

PROCEDURE

[REDACTED]





REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description

ROTOVAP

SOP Number	Title of SOP	Version	Date Effective
008	Rotovap	1.0 (Original)	9/21/2021
Author	Reviewer	Approved By	Date Approved
[REDACTED]			9/21/2021

PURPOSE

The purpose of this SOP is to describe the process for operating the Rotovap.

MATERIALS

[REDACTED]

EQUIPMENT

[REDACTED]

PROCEDURE

Rotovap Ethanol Removal Procedure

[REDACTED]

[REDACTED]

REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description

MRX EXTRACTOR

SOP Number	Title of SOP	Version	Date Effective
009	MRX Extractor	1.0 (Original)	9/21/2021
Author	Reviewer	Approved By	Date Approved
[REDACTED]			9/21/2021

PURPOSE

[REDACTED]

MATERIALS

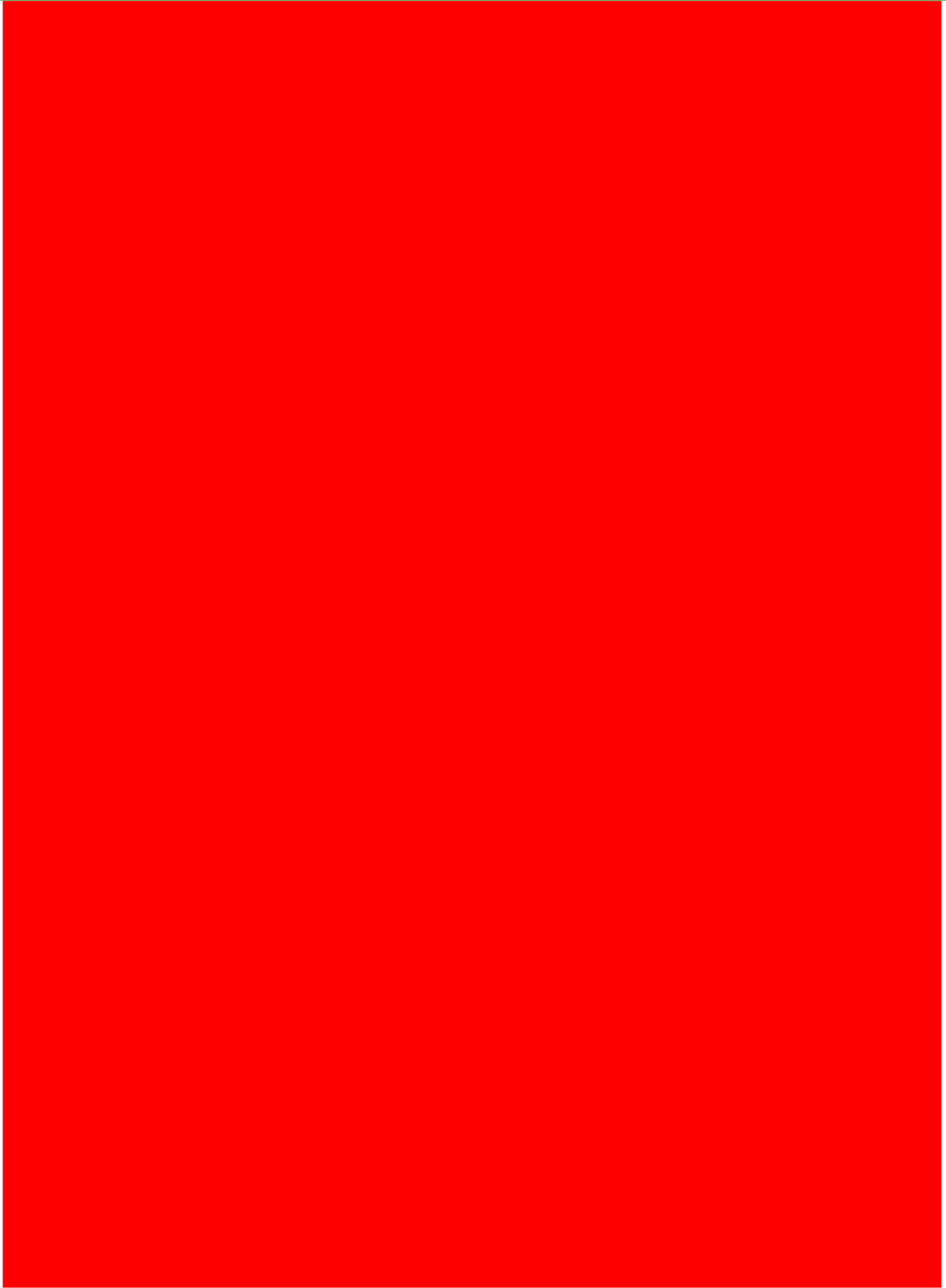
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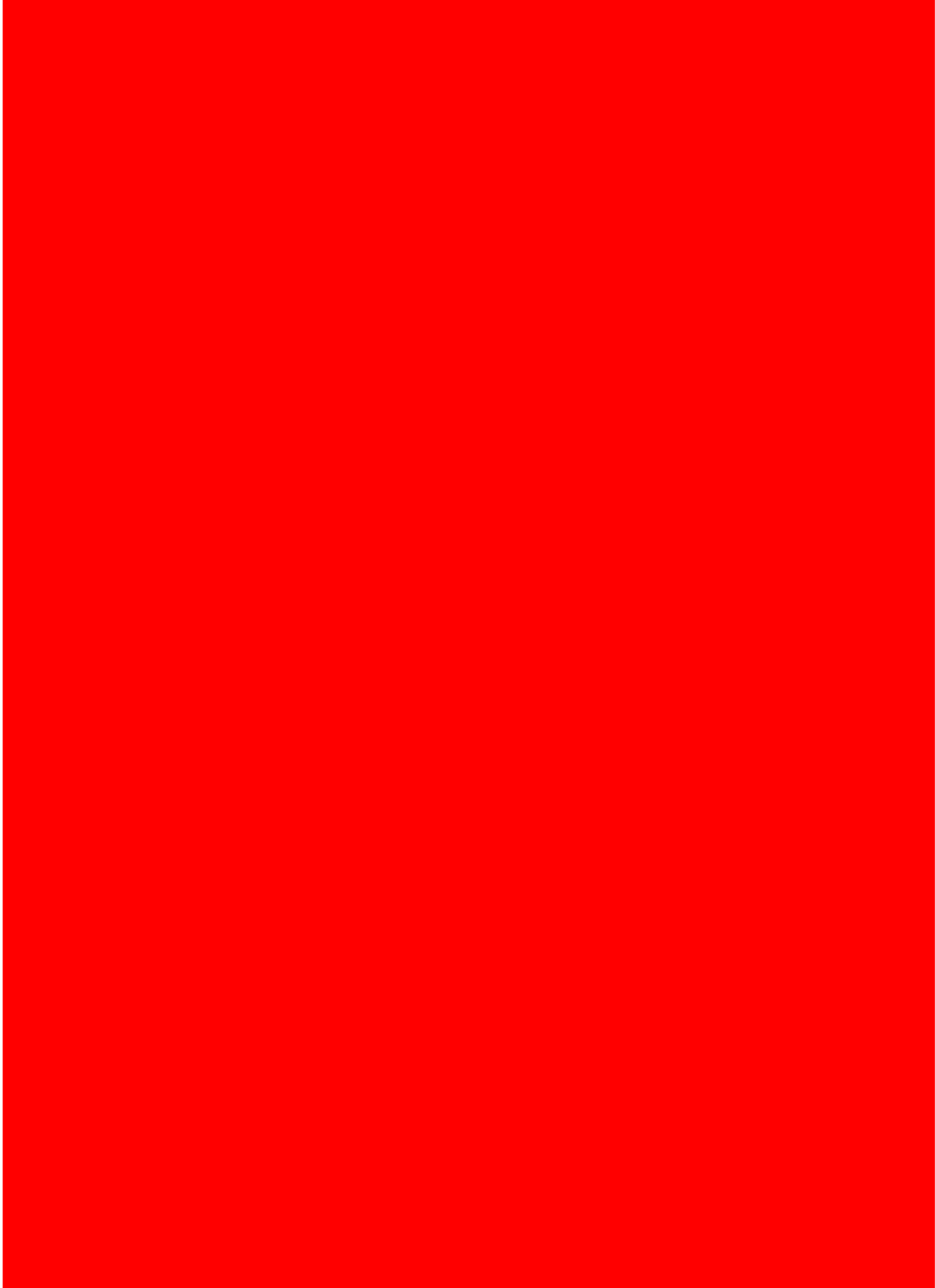
EQUIPMENT

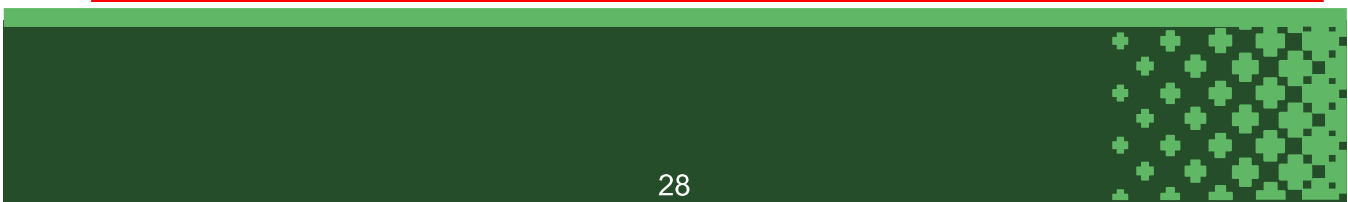
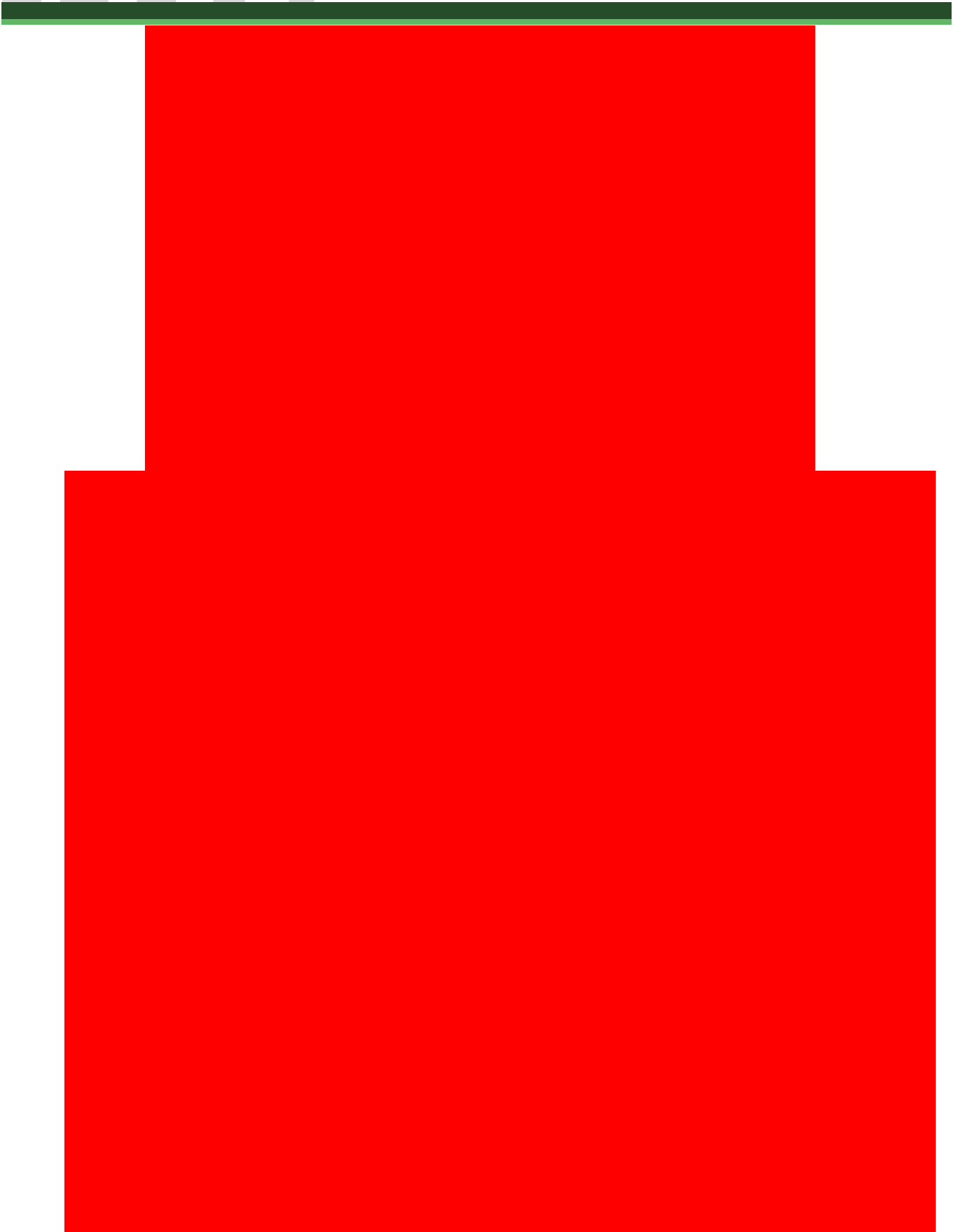
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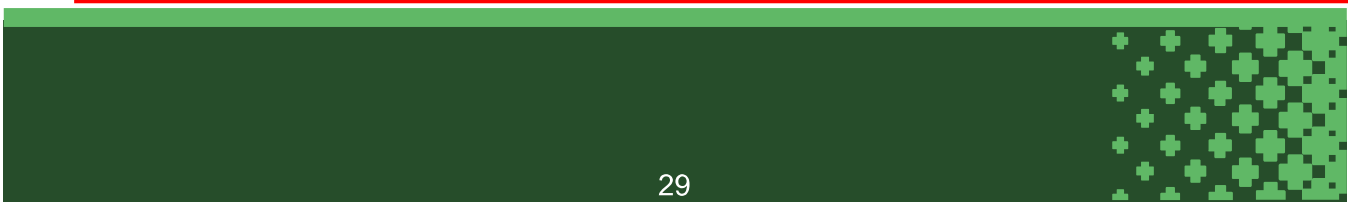
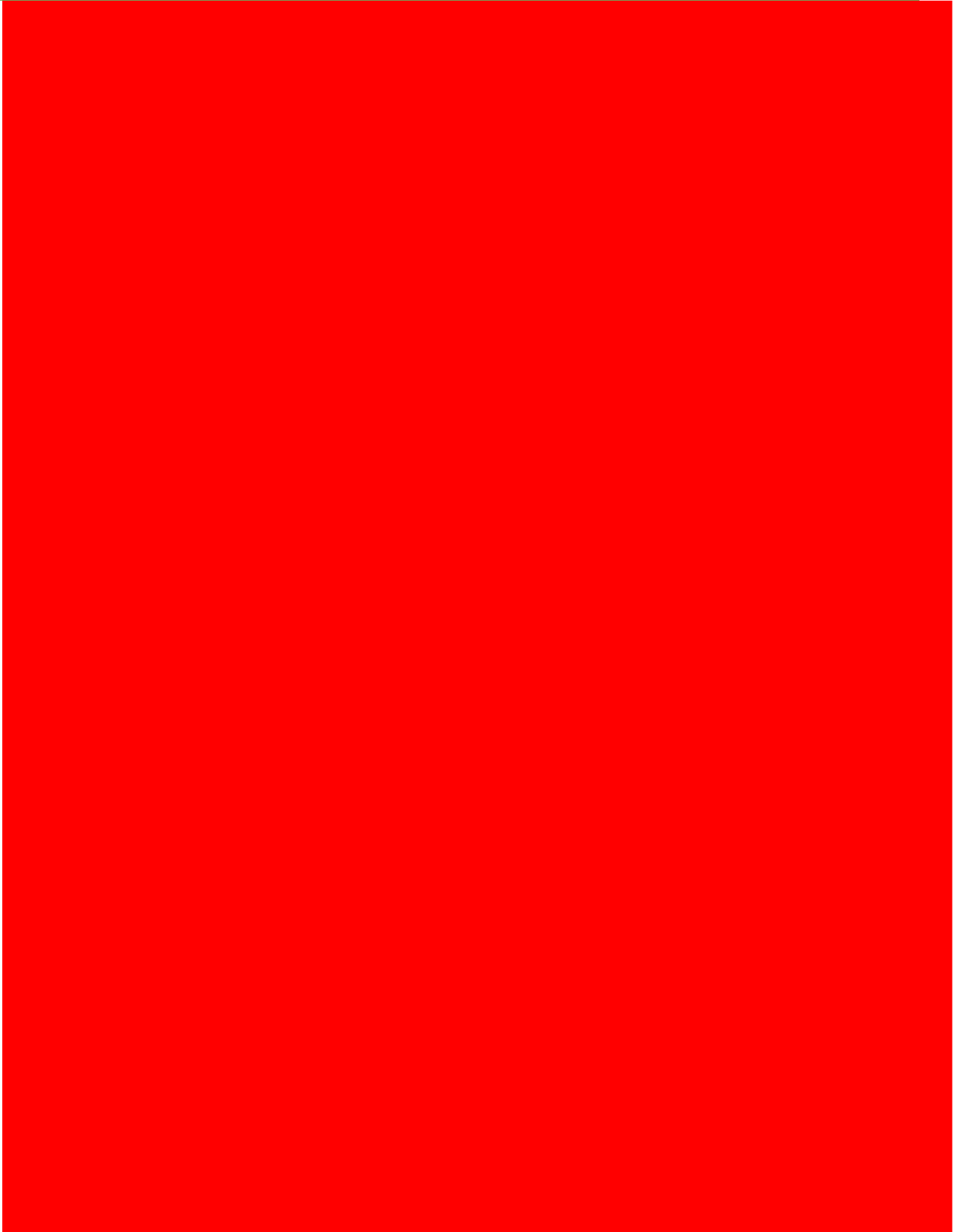
PROCEDURE

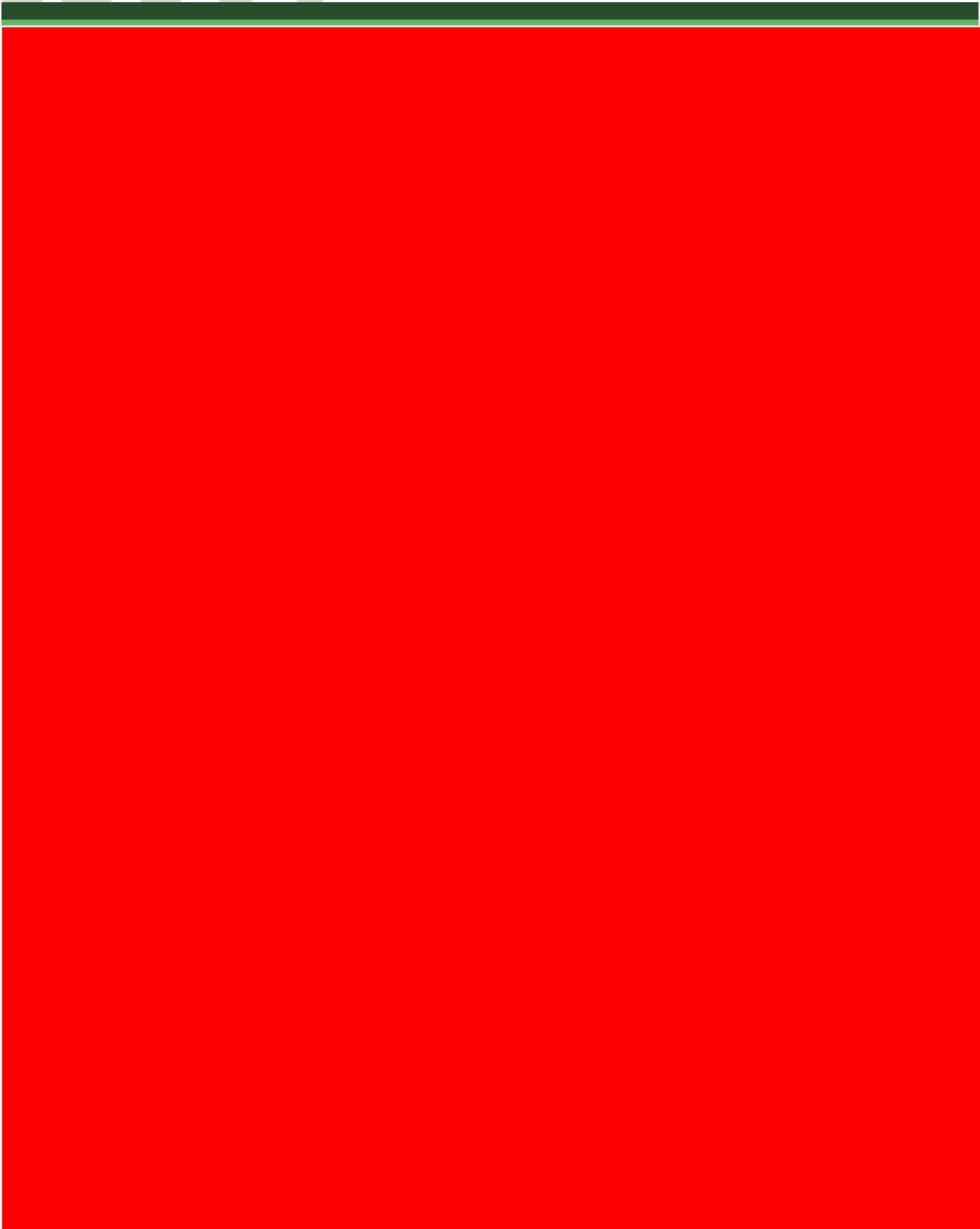
[REDACTED]











REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description

30 CUP

SOP Number	Title of SOP	Version	Date Effective
010	30 Cup	1.0 (Original)	9/21/2021
Author	Reviewer	Approved By	Date Approved
[REDACTED]			9/21/2021

PURPOSE

[REDACTED]

MATERIALS

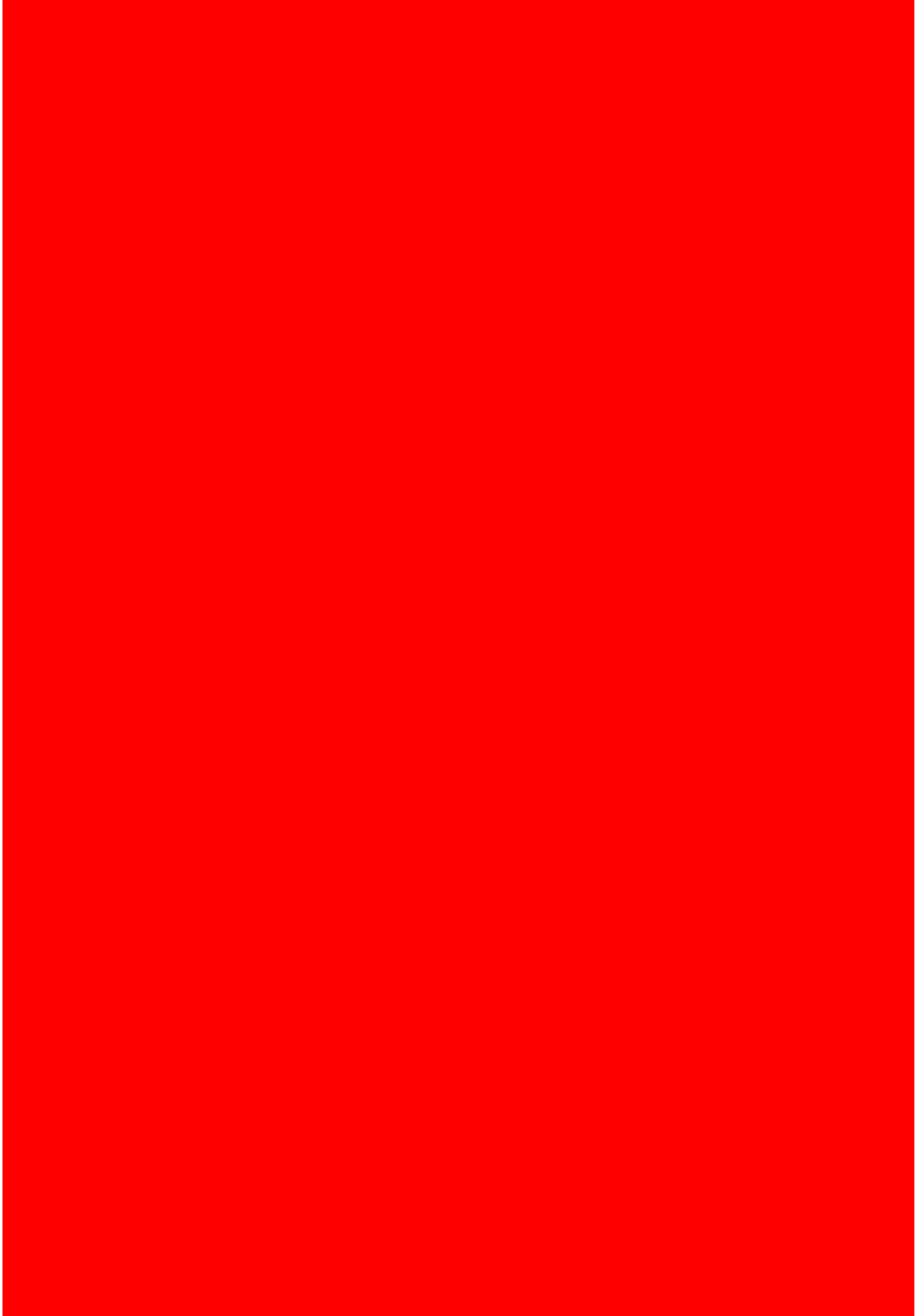
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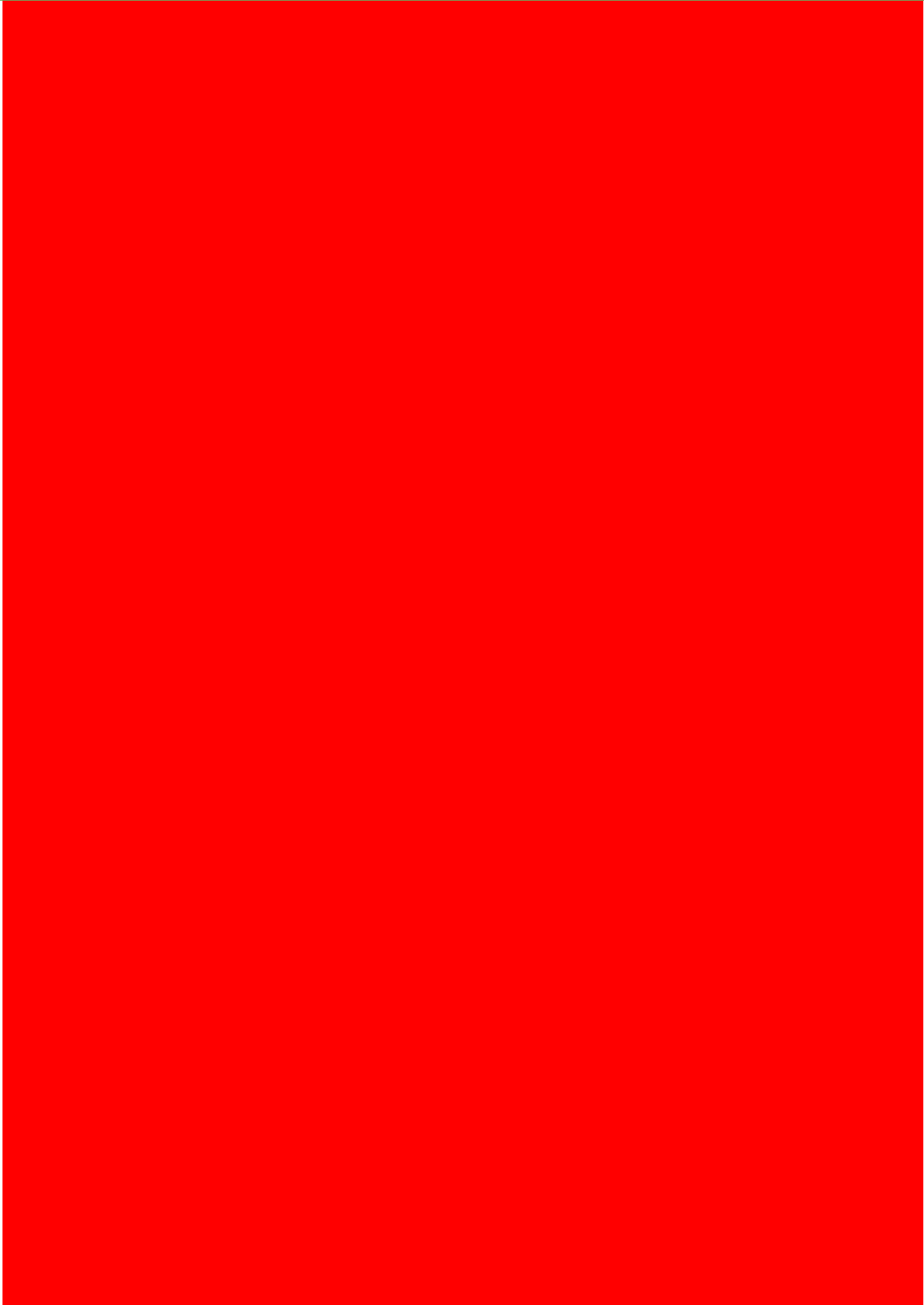
EQUIPMENT

[REDACTED]

PROCEDURE

[REDACTED]





REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description

LENTICULAR FILTRATION

SOP Number	Title of SOP	Version	Date Effective
011	Lenticular Filtration	1.0 (Original)	9/21/2021
Author	Reviewer	Approved By	Date Approved
[REDACTED]			9/21/2021

PURPOSE

[REDACTED]

MATERIALS

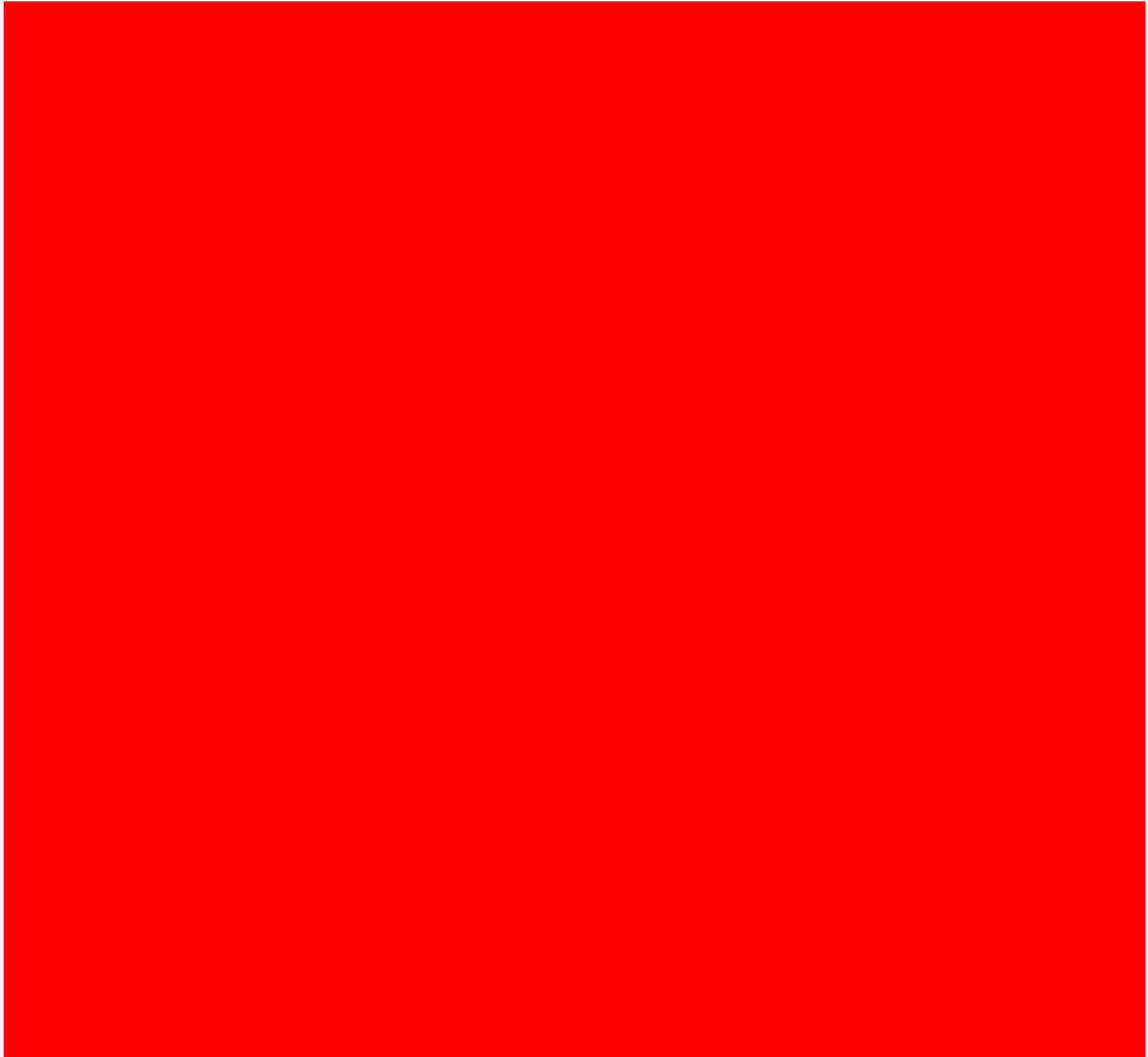
[REDACTED]

EQUIPMENT

[REDACTED]

PROCEDURE

[REDACTED]



REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description

LAB TESTING AND RECORD KEEPING

SOP Number	Title of SOP	Version	Date Effective
012	Lab Testing and Record Keeping	1.0 (Original)	9/21/2021
Author	Reviewer	Approved By	Date Approved
[REDACTED]			9/21/2021

PURPOSE

[REDACTED]

MATERIALS

[REDACTED]

EQUIPMENT

- None

PROCEDURE

[REDACTED]

REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description

EMERGENCY PROCEDURES

SOP Number	Title of SOP	Version	Date Effective
013	Emergency Procedures	1.0 (Original)	9/21/2021
Author	Reviewer	Approved By	Date Approved
[REDACTED]			9/21/2021

PURPOSE

[REDACTED]

MATERIALS

- None

EQUIPMENT

- None

PROCEDURE

FIRE EMERGENCY

[REDACTED]

CHEMICAL SPILL

[REDACTED]

OTHER EMERGENCIES



REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description

TRANSPORTATION

SOP Number	Title of SOP	Version	Date Effective
014	Transportation	1.0 (Original)	9/21/2021
Author	Reviewer	Approved By	Date Approved
[REDACTED]			9/21/2021

PURPOSE

[REDACTED]

MATERIALS

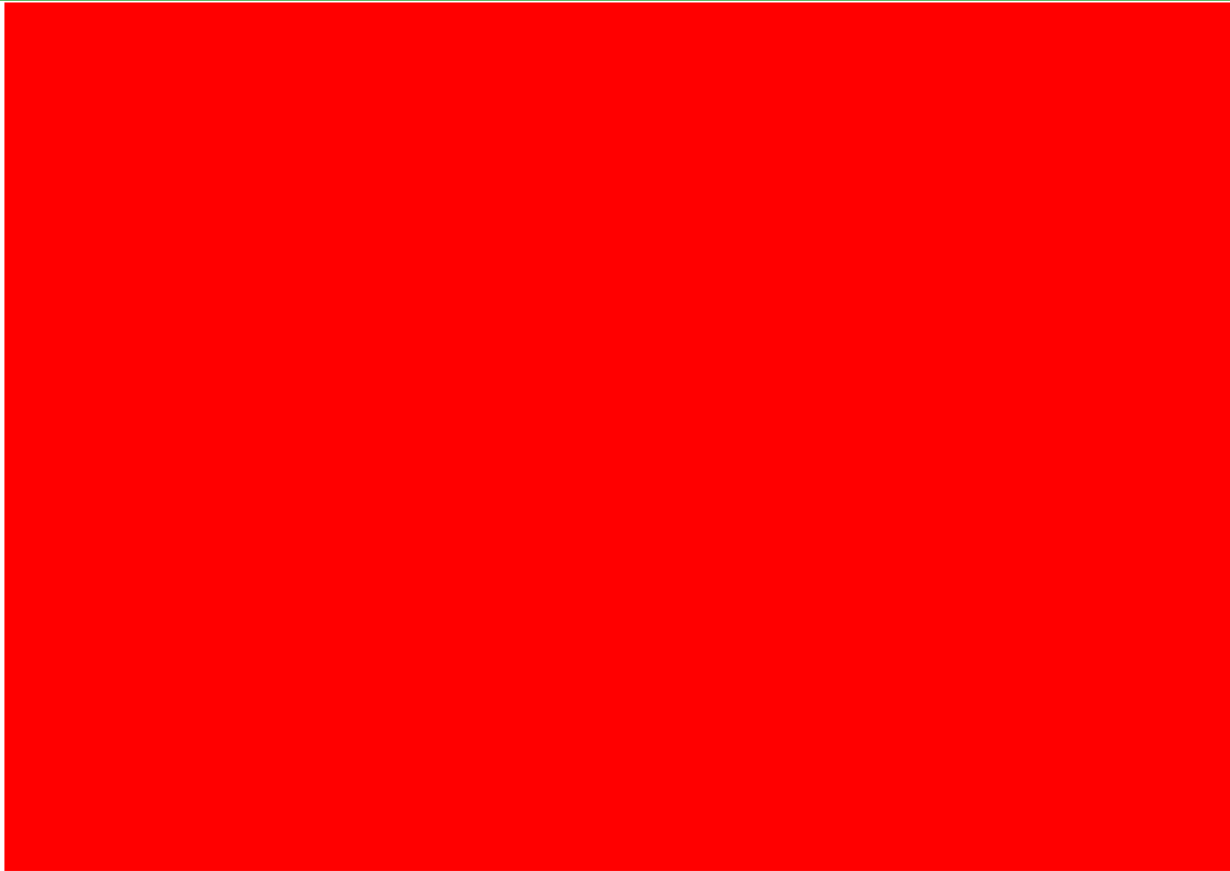
[REDACTED]

EQUIPMENT

[REDACTED]

PROCEDURE

[REDACTED]

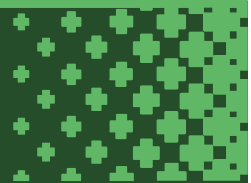


REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description



RECALL

SOP Number	Title of SOP	Version	Date Effective
015	Recall	1.0 (Original)	9/21/2021
Author	Reviewer	Approved By	Date Approved
[REDACTED]			9/21/2021

PURPOSE

[REDACTED]

MATERIALS

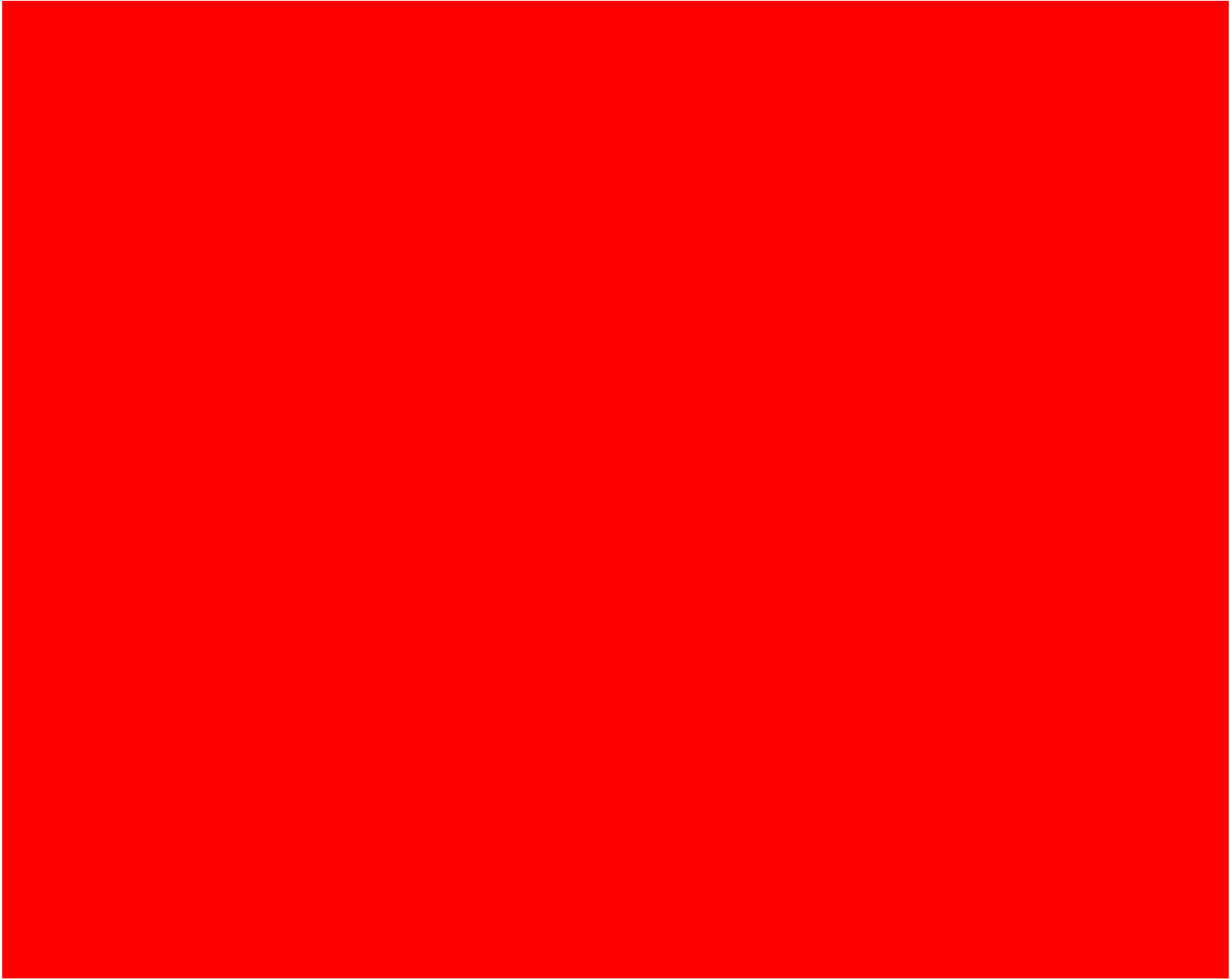
- None

EQUIPMENT

- None

PROCEDURE

[REDACTED]



REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description

SANITATION

SOP Number	Title of SOP	Version	Date Effective
016	Sanitation	1.0 (Original)	9/21/2021
Author	Reviewer	Approved By	Date Approved
[REDACTED]			9/21/2021

PURPOSE

[REDACTED]

MATERIALS

[REDACTED]

EQUIPMENT

[REDACTED]

PROCEDURE

[REDACTED]

REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description

VIDEO RECORDING SYSTEM

SOP Number	Title of SOP	Version	Date Effective
017	Video Recording System	1.0 (Original)	9/21/2021
Author	Reviewer	Approved By	Date Approved
[REDACTED]			9/21/2021

PURPOSE

[REDACTED]

MATERIALS

- None

EQUIPMENT

[REDACTED]

PROCEDURE

[REDACTED]

REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description

DISPOSAL

SOP Number	Title of SOP	Version	Date Effective
018	Disposal	1.0 (Original)	9/21/2021
Author	Reviewer	Approved By	Date Approved
[REDACTED]			9/21/2021

PURPOSE

[REDACTED]

MATERIALS

[REDACTED]

EQUIPMENT

[REDACTED]

PROCEDURE

[REDACTED]

REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description

STORAGE

SOP Number	Title of SOP	Version	Date Effective
019	Storage	1.0 (Original)	9/21/2021
Author	Reviewer	Approved By	Date Approved
[REDACTED]			9/21/2021

PURPOSE

[REDACTED]

MATERIALS

[REDACTED]

EQUIPMENT

[REDACTED]

PROCEDURE

[REDACTED]



REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description

DOSING CALCULATION AND OIL PREPARATION

SOP Number	Title of SOP	Version	Date Effective
020	Dosing Calculation and Oil Preparation	1.0 (Original)	9/21/2021
Author	Reviewer	Approved By	Date Approved
[REDACTED]			9/21/2021

PURPOSE

[REDACTED]

MATERIALS

[REDACTED]

EQUIPMENT

[REDACTED]

PROCEDURE

CARTRIDGES

[REDACTED]

REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description

BHO Extraction

SOP Number	Title of SOP	Version	Date Effective
021	BHO Extraction	1.0 (Original)	3/21/2022
Author	Reviewer	Approved By	Date Approved
[REDACTED]			3/21/2022

PURPOSE

[REDACTED]

MATERIALS

[REDACTED]

EQUIPMENT

[REDACTED]

PROCEDURE

[REDACTED]

REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description

Press Extraction

SOP Number	Title of SOP	Version	Date Effective
022	Press Extraction	1.0 (Original)	3/21/2022
Author	Reviewer	Approved By	Date Approved
[REDACTED]			3/21/2022

PURPOSE

[REDACTED]

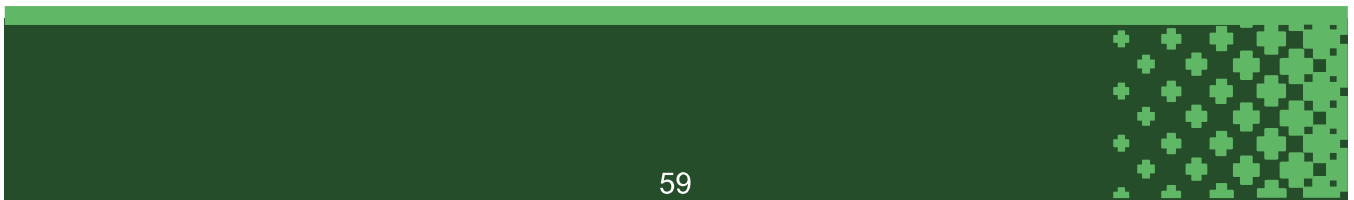
MATERIALS

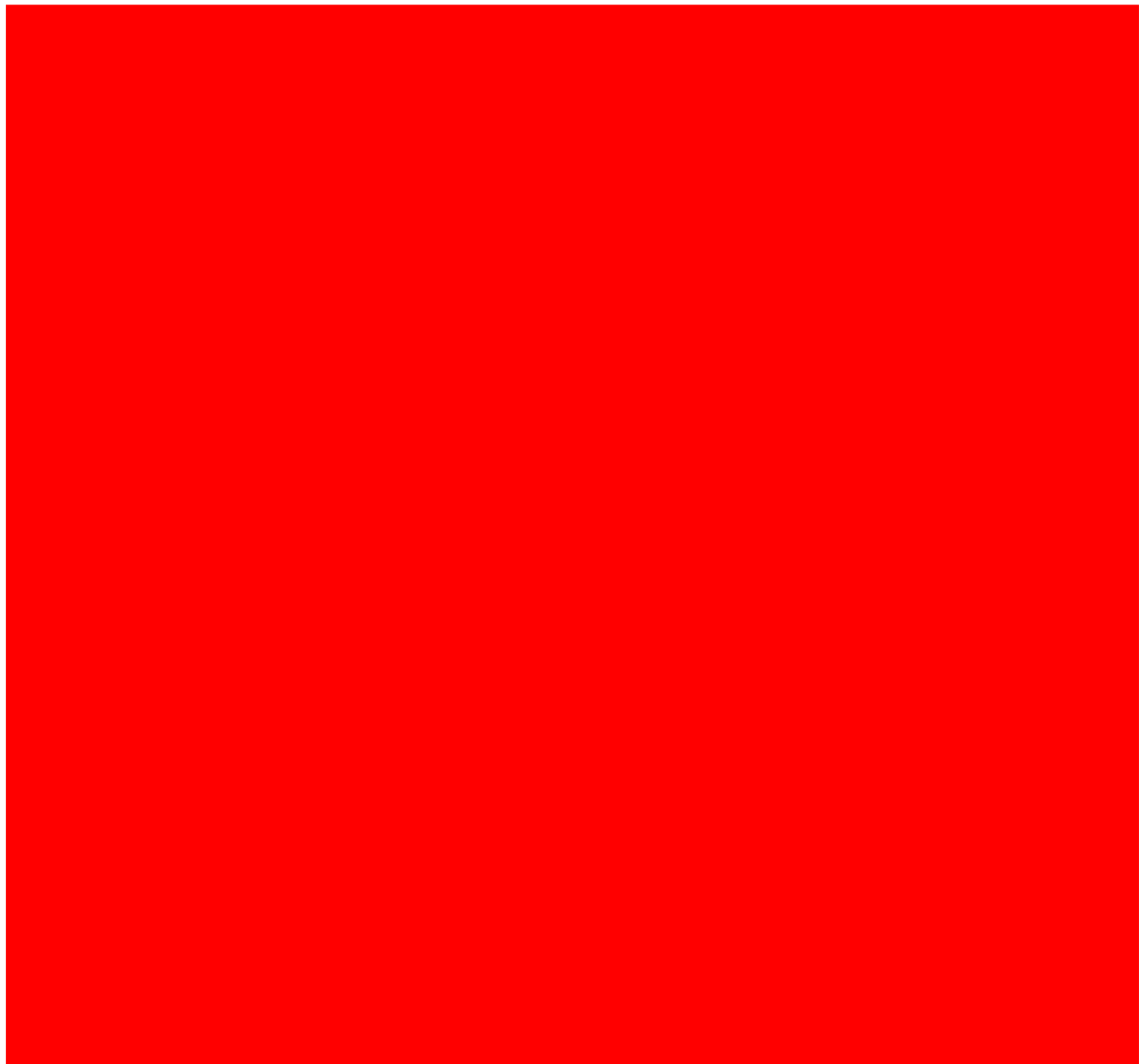
[REDACTED]

EQUIPMENT

[REDACTED]

PROCEDURE






REFERENCES

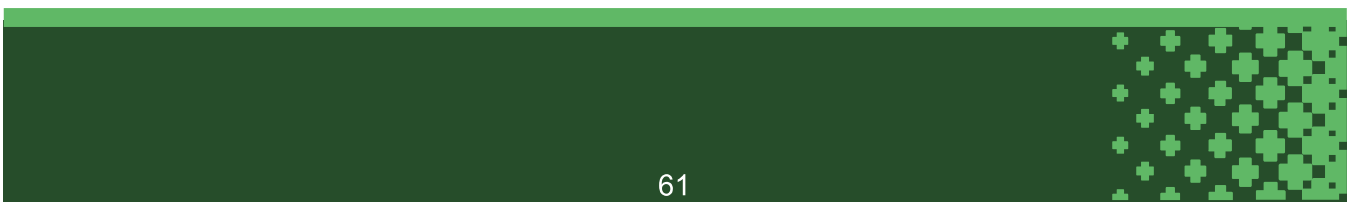
Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description
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THCa Crystallization (Diamonds)

SOP Number	Title of SOP	Version	Date Effective
023	THCa Crystallization	1.0 (Original)	3/21/2022
Author	Reviewer	Approved By	Date Approved
[REDACTED]			3/21/2022

PURPOSE

[REDACTED]

MATERIALS

[REDACTED]

EQUIPMENT

[REDACTED]

PROCEDURE

[REDACTED]

REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description

BHO Shatter Production

SOP Number	Title of SOP	Version	Date Effective
024	BHO Shatter	1.0 (Original)	3/21/2022
Author	Reviewer	Approved By	Date Approved
[REDACTED]			3/21/2022

PURPOSE

[REDACTED]

MATERIALS

[REDACTED]

EQUIPMENT

[REDACTED]

PROCEDURE

[REDACTED]

REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description

BHO Shatter Production

SOP Number	Title of SOP	Version	Date Effective
025	Lab Waste Disposal	1.0 (Original)	3/23/2023
Author	Reviewer	Approved By	Date Approved
[REDACTED]			

PURPOSE

[REDACTED]

MATERIALS

[REDACTED]

EQUIPMENT

[REDACTED]

PROCEDURE

[REDACTED]

REFERENCES

Title	Author	Description

REVISION HISTORY

Revision No.	Revisions Date	Modified By	Description