

Specification Number:	Spec #002(C) Rev 02	Effective Date:	02-21-2025
FG Item Number:	30005	Allergens:	None
FG Item Description:	MIT45 MIT45 (15 mL) 12 Pack		

MIT45 MIT45 (15 ML) 12 PACK

Finished Product Specification Sheet

Confidential

Batched Material Details	
Item Number:	10000
Item Description:	MIT45 MIT45 Liquid - Mixed Liquid
Specification Number:	#B001
Formula Number:	FOR10000

Finished Product Details	
Product Type:	Dietary Supplement
Storage Requirements:	Ambient Storage
Shelf Life Info:	2 Years Past the First Day of Batching
Additional Statement Claims:	N/A

Lot Code & Best By Date Code	
Image:	
Lot Code:	The Lot Code is derived from the last 4 digits of the Batch Ticket Number For instance, if the Batch Ticket Number is MFG000123, then the product Lot Code shall be “0123”. Sublots may be assigned in addition to the Lot Code per operational needs. Prefix sublots such as “00-0123” are determined by the distribution sales region. Suffix sublots such as “0123-1” should be assigned if there are significant changes with the components used or production process. Lot code may include both prefix and suffix, such as “00-0123-1”. This shall be printed in yellow or white ink on the bottom of the bottle, and directly above the Best By Code.
Best By Code:	The Best By Code for the product shall be 2 years past the first day of manufacture, and the formatting shall be as “MM/YYYY”. For instance, if the first day of manufacture for this product is 01/01/2024, then the Best By Code shall be “01/2026”. This shall be printed in yellow or white ink on the bottom of the bottle, and directly beneath the Lot Code.



Finished Good Specification Template

Document Number: Form 007

Effective Date: 06-05-2024

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Bill of Materials					
Component	Item #	Item Description	Specification	Qty per Tray	UOM
Batch	10000	MIT45 MIT45 Liquid - Mixed Liquid	#B001	180	mL
Bottle	01791	Painted (15 mL) MIT45 Euro Bottle	#C088	12	ea
Lid	01792	Matte Black Dropper (15 mL) - CRC TE	#C089	12	ea
Unit Box	01793	Diamond Box - Mit45 Individual Unit (15 mL)	#C090	12	ea
Label Sticker	03050	MIT45 SFP Mitragynine Sticker	#C156	13	ea
Display Tray	01794	12ct Display Tray - MIT45	#C091	1	ea
Tray Cover	01795	12ct Slip-Case Cover - MIT45	#C092	1	ea
Wafer Seal	01382	Wafer Seal - Clear Acetate - 2 1/2"	#C105	2	ea
Master Case	N/A	Master Case Box (15" x 10" x 8")	N/A	0.08	ea
Tape	N/A	MIT45 Branded Tape	N/A	N/A	N/A

Component Images			
MIT45 MIT45 Liquid - Mixed Liquid		Matte Black Dropper (15 mL) - CRC TE	

Finished Product Manufacturing Instruction:	
1	Supervise the bottles as they run through the line, ensuring that none fall over.
2	Check for loose or missing lids. Ensure that tamper resistant seal is intact.
3	Pack the bottles into their individual unit diamond boxes.
4	Place 12 of the diamond boxes into the display tray, all facing forward.
5	Place the tray cover over the filled tray, and seal with 2 clear round stickers on the bottom centers that are opposite of the notch on the assembled carton.
6	Pack the display boxes into master cases and tape with MIT45 branded tape. Place the appropriate sticker on the completed master case. Palletize according to specification.
7	When the pallet is complete, notify Warehouse Personnel and they will collect it.

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Bottle Specifications	
Specification Number:	#C088
Artwork Version:	V3
UPC Code:	N/A
QR Code Link:	MIT45.com (Home Page)
Dimensions:	2.56" (H) x 1.125" (D)
Material/ Finish:	Clear Glass Bottle / Matte Foil and Gold Foil Finish
Artwork Image	
	WARNINGS If adverse reaction occurs, stop use and consult a health professional. Do not use while pregnant or nursing. Consult with a health professional prior to use. Do not use with alcohol or prescription drugs. Not intended for daily use. mit45.com 866-MIT-4555 380 W. Lawndale Dr. Salt Lake City, UT 84115 V3  MIT 45TM Kratom Dietary Supplement NET WT 0.5 FL. OZ. (15ML) Supplement Facts Serving Size: 3 Droppers (3ml) Servings Per Container: Approx. 5 Amount Per Serving Kratom Extract (Leaf) Mitragynine 25mg* Speciogynine <7.70%* Speciociliatine <10.60%* Paynantheine <11.70%* 7-OH Mitragynine <1.00%* *Daily Value not established. 21+ Where Applicable / Shake Well Before Use Ingredients: Water, Glycerin, Citric Acid, and Kratom Extract. Max Daily Servings: 3 Do not exceed 1 serving every 6 hours
	Supplement Facts Panel: Supplement Facts Serving Size: 3 Droppers (3ml) Servings Per Container: Approx. 5 Amount Per Serving Kratom Extract (Leaf) Mitragynine 25mg* Speciogynine <7.70%* Speciociliatine <10.60%* Paynantheine <11.70%* 7-OH Mitragynine <1.00%* *Daily Value not established. WARNINGS If adverse reaction occurs, stop use and consult a health professional. Do not use while pregnant or nursing. Consult with a health professional prior to use. Do not use with alcohol or prescription drugs. Not intended for daily use. Ingredients: Water, Glycerin, Citric Acid, and Kratom Extract. Max Daily Servings: 3 Do not exceed 1 serving every 6 hours  mit45.com 866-MIT-4555 380 W. Lawndale Dr. Salt Lake City, UT 84115 V3

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Unit Carton Specifications	
Specification Number:	#C090
Artwork Version:	V3
UPC Code:	810149700033
QR Code Link:	MIT45.com (Home Page)
Dimensions:	3.75" (H) x 1.25" (W) x 1.25" (D)
Material/ Finish:	Foil Board, Spot UV, Emboss, Gold Foil Paper
Artwork Image	
 Warnings If adverse reaction occurs, stop use and consult a health professional. Do not use while pregnant or nursing. Consult with a health professional prior to use. Do not use with alcohol or prescription drugs. Not intended for daily use.  mit45.com 866-MIT-4555 380 W. Lawndale Dr. Salt Lake City, UT 84115  810149700033 Supplement Facts Panel: Supplement Facts Serving Size: 3 Droppers (3ml) Servings Per Container: Approx. 5 Amount Per Serving Kratom Extract (Leaf) Mitragynine 25mg* Speciogynine <7.70%* Speciociliatine <10.60%* Paynantheine <11.70%* 7-OH Mitragynine <1.00%* *Daily Value not established. Ingredients: Water, Glycerin, Citric Acid, and Kratom Extract. Max Daily Servings: 3 Do not exceed 1 serving every 6 hours These statements have not been evaluated by the US Food & Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease or condition.	

Spec #002(C) Rev 02 - MIT45 MIT45 (15 mL) 12 Pack

Unit Carton Specifications	
Specification Number:	#C156
Artwork Version:	N/A
Dimensions:	1" x 1"
Material/ Finish:	Semi Gloss OPG CVR up / Flood Matte Varnish
Artwork Image	

Amount Per Serving

Mitragynine25 mg

7-OH Mitragynine0.01 mg

Total Amount Per Container

Mitragynine125 mg

7-OH Mitragynine0.05 mg

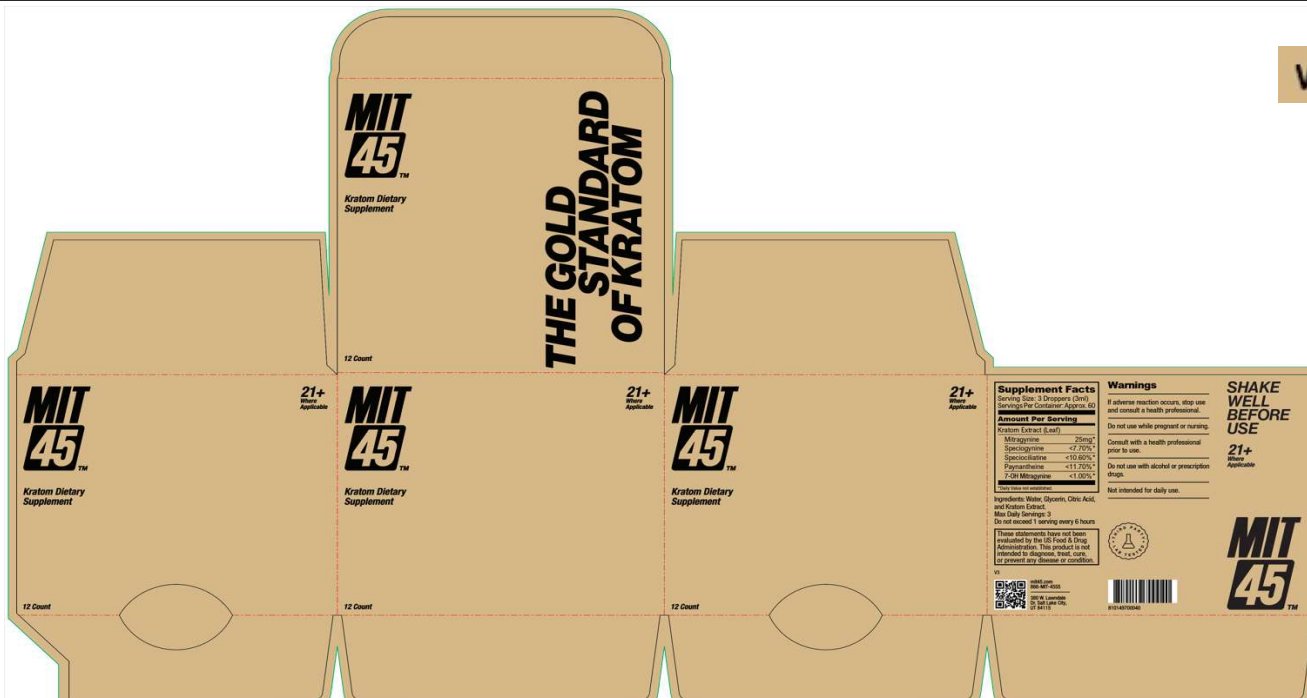
30005



Spec #002(C) Rev 02 - MIT45 MIT45 (15 mL) 12 Pack

Slip-Case Cover Specifications	
Specification Number:	#C092
Artwork Version:	V3
UPC Code:	810149700040
QR Code Link:	MIT45.com (Home Page)
Dimensions:	3.875" (H) x 4.875" (W) x 4.875" (D)
Material/ Finish:	Foil Board, Spot UV, Emboss, Gold Foil Paper

Artwork Image



V3

Supplement Facts
Serving Size: 3 Droppers (3ml)
Servings Per Container: Approx. 60

Amount Per Serving	
Kratom Extract (Leaf)	
Mitragynine	25mg*
Speciogynine	<7.70%*
Speciociliatine	<10.60%*
Paynantheine	<11.70%*
7-OH Mitragynine	<1.00%*

*Daily Value not established.

Ingredients: Water, Glycerin, Citric Acid, and Kratom Extract.
Max Daily Servings: 3
Do not exceed 1 serving every 6 hours

These statements have not been evaluated by the US Food & Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease or condition.



mit45.com
866-MIT-4555
380 W. Lawndale
Dr. Salt Lake City,
UT 84115

Warnings

If adverse reaction occurs, stop use and consult a health professional.

Do not use while pregnant or nursing.

Consult with a health professional prior to use.

Do not use with alcohol or prescription drugs.

Not intended for daily use.



810149700040

Spec #002(C) Rev 02 - MIT45 MIT45 (15 mL) 12 Pack

Packout Specifications		
Packing Step	Quantity	Packout Description
Display Carton	12 units per tray	3 rows of 4 diamond boxes, all forward-facing. Seal the carton securely using two clear round stickers, placed at the center of the bottom on both the front and back sides (opposite of the notches).
		
Master Case Box (15" x 10" x 8")	18 cartons per master case	2 layers of 6 display cartons, with filler paper between the 2 layers, and taped with MIT45 branded tape.
		
Pallet Configuration	60 master cases per pallet	10 master cases per layer, 6 layers high. Wrapped with a minimum 3 layers of stretch wrap and taped with MIT45 branded tape.
		

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Fill Volume Specifications	
Minimum:	15 mL
Target:	16 mL
Maximum:	17 mL



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Acceptable Quality Limits	
Critical (Zero Tolerance)	
Empty containers	
Leaking product	
Incorrect component used	
Critical (4%)	
Illegible/Missing/Incorrect Lot Code or Shelf Life	
Damaged components causing product exposure	
Incorrect bottle label artwork	
Container not properly closed	
Unsealed tamper seal	
Major (6.5%)	
Damaged components creating esthetic defect	
Print flaw/damage on the primary display panel (including primary artwork/SFP)	
Packout count inaccuracy	
Minor ($\leq 10\%$)	
Foreign matter or product residue on the outside of the component	
Print flaw/damage on the non-primary display panel (excluding primary artwork/SFP)	

Sample Requirements		
Type of Sample	Sample Quantity	Time on hand
Testing Samples	3 bottles each pulled from the beginning, middle, and end of production (9 bottles total)	To be sent for testing as soon as possible after production completion.
Product Retains	1 carton each pulled from the beginning, middle, and end of production (3 cartons total)	To be retained for no less than 1 year past the expiration / Best By date.



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Testing Specifications				
Category	Name of Assay	Method	Limit	UOM
Identity	ID Analysis	Cambium/FTIRR	≥ 95	%
	Color/Appearance	Organoleptic (In-House)	Amber - Dark Brown	N/A
	Scent	Organoleptic (In-House)	Herbal	N/A
Composition	Composition	Organoleptic (In-House)	Liquid	N/A
	Density (Specific Gravity)	Cambium/TM-017 ARL/2.006	1.17 – 1.21	g/mL
	Water Activity (Aw)	Cambium/TM-017	Report Only	aw
Purity	Total Aerobic Plate Count	Cambium/TM-060 ARL/USP<2021>	≤ 10,000	CFU/g
	Coliforms	Cambium/TM-059 ARL/AOAC 991.14	≤ 1,000	CFU/g
	Escherichia Coli (E. Coli)	Cambium/TM-059 ARL/USP<2022>	Not Detected	CFU/g
	Staphylococcus aureus	Cambium/TM-062 ARL/USP<2022>	Not Detected	CFU/g
	Salmonella	Cambium/TM-063 ARL/USP<2022>	Not Detected	CFU/g
	Yeast & Mold	Cambium/TM-061 ARL/USP<2021> or AOAC RI	≤ 1,000	CFU/g
Strength	Mitragynine	Cambium/TM-052 UPLC-DAD	20 – 30	mg/serving
	Speciogynine	Cambium/TM-052 UPLC-DAD	≤ 7.70	%
	Speciociliatine	Cambium/TM-052 UPLC-DAD	≤ 10.60	%
	Paynantheine	Cambium/TM-052 UPLC-DAD	≤ 11.70	%
Potential Contaminants	7-OH-Mitragynine	Cambium/TM-047 LC-TQ	≤ 1.00	%
Note	This is a natural product, variances may be found that are due to the growing and drying conditions, age, season, harvest time, geographic location, production process, etc.			



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Review & Approval

By signing below, I acknowledge that I have read, reviewed, understood, and approved of all the above specifications. I understand that only specifications from the most current signed revision shall be used for production of the above product, unless under a signed deviation.

Dept.	Title	Name	Signature	Date
Quality	Document Control Specialist	Cherie Mayers	DocuSigned by: Cherie Mayers 87BC95A6A508472...	2/20/2025
	Quality Supervisor	Lulu Brea	Signed by: Lulu Brea 70AF16923CC1493...	2/21/2025
	Senior Quality Manager	Matt Trimble	Signed by: Matt Trimble AD1BB8E654D946B...	2/20/2025
	Vice President of Quality	Brian Anderson	Signed by: Brian Anderson 9FB5FE41C3DB488...	2/20/2025
Operations	Production Supervisor	Fernando Vazquez	Signed by: Fernando Vazquez C5A5A9124D49407...	2/20/2025
	Director of Manufacturing	Parker Brohl	Signed by: Parker Brohl 7497C538E91D403...	2/20/2025
ERP	Senior Director of Operations	Jordan Briggs	DocuSigned by: Jordan Briggs C366AA73144A4B1...	2/24/2025

Specification Number:	Spec #002(C) Rev 02	Effective Date:	02-21-2025
FG Item Number:	30005	Allergens:	None
FG Item Description:	MIT45 MIT45 (15 mL) 12 Pack		

Revision History

Revision	Date	Description of Revision	Author
00	10-21-2024	New Specification number assigned for differentiation of rebranded components (previously Spec #002 Rev 07). Also updated the shelf life from 3 years to 2 years (CHG #25-040).	Cherie Mayers
01	12-02-2024	Updated AQL requirements	Cherie Mayers
02	02-20-2025	Added Mitragynine stickers (CHG #25-006). Updated weight limits to volume limits (CHG #25-003 and CHG #25-010), wafer seal sticker size (CHG #24-051), retention time (CHG #25-042), testing requirements (CHG #25-002), packout boxes (CHG #25-011), and pallet configuration (CHG #25-014). Also see formula revision for this product on Spec #B001 (CHG #25-016).	Cherie Mayers