

Specification Number:	Spec #005 Rev 06	Effective Date:	04-21-2025
FG Item Number:	30038	Allergens:	None
FG Item Description:	MIT45 Super K (30 mL) 12 Pack		


MIT45 SUPER K (30 ML) 12 PACK

Finished Product Specification Sheet

Confidential

Batched Material Details	
Item Number:	10010
Item Description:	Super K - Mixed Liquid
Specification Number:	#B003
Formula Number:	FOR10010

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:	<div></div> <div><p><i>**Image shown is for a different bottle; MIT45 (15 mL). The formatting is the same, but the bottle color and size are different (the correct color is blue).</i></p></div>
Lot Code:	<p>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 <b>“0123”</b>.</p> <p>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 “00-0123-1” if applicable. This shall be printed in yellow or white ink on the bottom of the bottle, and directly above the Best By Code.</p>
Best By Code:	<p>The Best By code for the product shall be 2 years past the first day of manufacture. For instance, if the batch was started on 01/01/2025, then the Best By Code shall be <b>“01/2027”</b>. This shall be printed in yellow or white ink on the bottom of the bottle, and directly beneath the Lot Code.</p>



# Finished Good Specification Template

Document Number: Form 007

Effective Date: 10-01-2024

Revision: 07




## Spec #005 Rev 06 - MIT45 Super K (30 mL) 12 Pack

Bill of Materials					
Component	Item Number	Item Description	Specification	Qty per POS	UOM
Batch	10010	Super K - Mixed Liquid	#B003	360	mL
Bottle	01782	Painted (30 mL) Super K Bottle	#C079	12	ea
Lid	01784	Matte Black Dropper (30 mL) - CRC TE	#C081	12	ea
Unit Carton	01785	Diamond Box - Super K Individual unit (30 mL)	#C082	12	ea
Display Carton	04002	Super K Tearaway 1-Piece 12ct Carton	#C173	1	ea
Master Case	N/A	Master Case (19" x 13" x 10")	N/A	0.083	ea
Tape	N/A	MIT45 Branded Tape	N/A	N/A	N/A

Component Images	
Super K - Mixed Liquid	Matte Black Dropper (30 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 carton, all facing forward.
5	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.
6	When the pallet is complete, notify Warehouse Personnel and they will collect it.

Spec #005 Rev 06 - MIT45 Super K (30 mL) 12 Pack

Label Specifications															
Specification Number:	#C079														
Artwork Version:	V4														
QR Code Link:	MIT45.com (Home Page)														
Dimensions:	3.125" (H) x 1.32" (D)														
Material/ Finish:	Clear Glass Bottle / Matte Foil Finish														
Proof/Artwork Image															
	<div><div><div><b>WARNINGS:</b> Keep out of reach of children. 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.</div><div>MIT45.COM 866-MIT-4555 380 W. Lawndale Dr. Salt Lake City, UT 84115, USA V4</div><div>MADE IN USA</div><div></div><div>These statements have not been evaluated by the US Food &amp; Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease or condition.</div></div><div><div>21+ Where Applicable / Shake Well Before Use</div><div> Kratom Dietary Supplement</div><div><b>Super K</b></div><div>1 fl oz (30 mL)</div></div><div><div><b>Supplement Facts</b> Serving Size: 5 Droppers (5 mL) Servings Per Container: Approx. 6</div><table><tr><th colspan="2">Amount Per Serving</th></tr><tr><td>Kratom Extract (Leaf)</td><td>81 mg*</td></tr><tr><td>Mitragynine</td><td>25 mg*</td></tr><tr><td>Speciogynine</td><td>&lt;3.90%*</td></tr><tr><td>Speciociliatine</td><td>&lt;6.50%*</td></tr><tr><td>Paynantheine</td><td>&lt;7.90%*</td></tr><tr><td>7-OH Mitragynine</td><td>&lt;1.00%*</td></tr></table><div>*Daily Value not established.</div><div>Ingredients: Glycerin, Water, Kratom Extract 30%, Citric Acid Max Daily Servings: 3 Do not exceed 1 serving every 6 hours</div></div></div>	Amount Per Serving		Kratom Extract (Leaf)	81 mg*	Mitragynine	25 mg*	Speciogynine	<3.90%*	Speciociliatine	<6.50%*	Paynantheine	<7.90%*	7-OH Mitragynine	<1.00%*
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Supplement Facts Panel:															




Spec #005 Rev 06 - MIT45 Super K (30 mL) 12 Pack

Unit Carton Specifications																													
Specification Number:	#C082																												
Artwork Version:	V5																												
UPC Code:	810149700057																												
QR Code Link:	MIT45.com (Home Page)																												
Dimensions:	4.25" (H) x 1.5" (W) x 1.5" (D)																												
Material/ Finish:	Foil Board, Spot UV, Emboss																												
Proof/Artwork Image																													
<div><div></div><div><div>MIT45.COM 866-MIT-4555 12248 S. Lone Peak Parkway Suite 106, Draper UT 84020 V5</div><div><div><b>WARNINGS:</b> Keep out of reach of children. 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.</div><div>These statements have not been evaluated by the US Food &amp; Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease or condition.</div><div> 810149700057</div></div></div></div>																													
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Spec #005 Rev 06 - MIT45 Super K (30 mL) 12 Pack

Display Tray Specifications	
Specification Number:	#C173
Artwork Version:	V5
UPC Code:	810149700064
QR Code Link:	MIT45.com (Home Page)
Dimensions:	4.385" (H) x 5.707" (W) x 5.701" (D)
Material/ Finish:	Foil Board, Spot UV, Emboss

Proof/Artwork Image




**WARNINGS:** Keep out of reach of children. 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.

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.

Supplement Facts	
Serving Size: 5 Droppers (5 mL)	
Servings Per Container: Approx. 6	
Amount Per Serving	
Kratom Extract (Leaf)	81 mg*
Mitragynine	25 mg*
Speciogynine	3.0 mg*
Speciociliatine	3.5 mg*
Paynantheine	5.4 mg*
7-OH Mitragynine	0.02 mg*
Total Amount Per Container	
Kratom Extract (Leaf)	486 mg*
Mitragynine	150 mg*
Speciogynine	18.0 mg*
Speciociliatine	21.0 mg*
Paynantheine	32.4 mg*
7-OH Mitragynine	0.12 mg*

\*Daily Value not established.



810149700064

Ingredients: Glycerin, Water, Kratom Extract 30%, Citric Acid

Max Daily Servings: 3

Do not exceed 1 serving every 6 hours






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Spec #005 Rev 06 - MIT45 Super K (30 mL) 12 Pack

Packout Specifications		
Packing Type	Quantity	Packout Description
Display Carton	12 units per carton	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 (19" x 13" x 10")	12 cartons per master case	2 layers of 6 display cartons, with filler paper between the 2 layers, and taped with MIT45 branded tape.
<div><p>Image is for Super K Extra Strong, it is the same size box and same packout specifications.</p></div>		
Pallet Configuration	30 master cases per pallet	6 master cases per layer, 5 layers high. Wrapped with minimum 3 layers stretch wrap and taped with MIT45 branded tape.
<div></div>		

Spec #005 Rev 06 - MIT45 Super K (30 mL) 12 Pack



Weight Specs	
Minimum:	30 mL
Target:	31 mL
Maximum:	33 mL



# Finished Good Specification Template

Document Number: Form 007

Effective Date: 10-01-2024

Revision: 07

## Spec #005 Rev 06 - MIT45 Super K (30 mL) 12 Pack

Testing Specifications				
Category	Name of Assay	Method	Limit	UOM
Identity	ID Analysis	Cambium/FTIRR	$\geq 95$	%
	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	1.16 – 1.20	g/mL
	Water Activity	Cambium/TM-017	$\leq 0.84$	aw
Purity	Total Aerobic Plate Count	Cambium/TM-060 ARL/USP<2021>	$\leq 10,000$	CFU/g
	Coliforms	Cambium/TM-059 ARL/AOAC 991.14	$\leq 1,000$	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	$\leq 1,000$	CFU/g
Strength	Mitragynine	Cambium/TM-052 UPLC-DAD	20 – 30	mg/serving
	Speciogynine	Cambium/TM-052 UPLC-DAD	2.4 – 3.6	mg/serving
	Speciociliatine	Cambium/TM-052 UPLC-DAD	2.8 – 4.2	mg/serving
	Paynantheine	Cambium/TM-052 UPLC-DAD	4.3 – 6.5	mg/serving
Potential Contaminants	7-OH-Mitragynine	Cambium/TM-047 LC-TQ	0.00 – 0.04	mg/serving
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.			

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.





# Finished Good Specification Template

Document Number: Form 007

Effective Date: 10-01-2024

Revision: 07

## Spec #005 Rev 06 - MIT45 Super K (30 mL) 12 Pack

### 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	Kristen Mitchell	DocuSigned by: Kristen Mitchell 1C59184D7C26452...	4/17/2025
	Quality Supervisor	Lulu Brea	Signed by: Lulu Brea 70AF16923CC1493...	4/17/2025
	Vice President of Quality	Brian Anderson	Signed by: Brian Anderson 9FB5FE41C3DB488...	4/17/2025
Operations	Production Supervisor	Fernando Vazquez or Blanca Perez	Signed by: Fernando Vazquez C5A5A9124D49407...	4/17/2025
	Vice President of Manufacturing	Trent McCausland	Signed by: Trent McCausland 9F20643886EE48D...	4/28/2025
ERP	Senior Director of Operations	Jordan Briggs	DocuSigned by: Jordan Briggs C366AA73144A4B1...	4/19/2025

**Finished Good Specification Template**

Document Number: Form 007

Effective Date: 10-01-2024

Revision: 07

<b>Specification Number:</b>	<b>Spec #005 Rev 06</b>	<b>Effective Date:</b>	<b>04-21-2025</b>
<b>FG Item Number:</b>	<b>30038</b>	<b>Allergens:</b>	<b>None</b>
<b>FG Item Description:</b>	<b>MIT45 Super K (30 mL) 12 Pack</b>		

**Revision History**

<b>Revision</b>	<b>Date</b>	<b>Description of Revision</b>	<b>Author</b>
00	12-15-2024	New Specification	Courtney Burton
01	06-26-2023	Revised Form Template, Acumatica Stock Item # Update, Addition of Fill Weights, Update to Testing, & Addition of Pricing	Courtney Burton
02	12-12-2023	Update BOM descriptions and sample quantities	Courtney Burton
03	06-23-2024	Updated to new template. Updated fill weight limits. Removed corrective UPC sticker from packaging instructions. Updated Lot Coding details. Updated testing to correct density limits, remove Nickel, add Kratom sub-alkaloids, and add Residual Solvents.	Cherie Mayers
04	11-18-2024	Updated entire specification for rebrand; all new artwork components (CHG #25-042), updated Lot Coding location, updated Mitragynine testing limits, updated packout instructions, and updated retention time (CHG #25-042).	Cherie Mayers
05	02-07-2025	Added Mitragynine stickers (CHG #25-006). Updated weight limits to volume limits (CHG #25-003), testing specifications (CHG #25-002), wafer seal sticker size (CHG #24-051), and packout specifications (CHG #25-005). Updated all artwork components from V2 to V3.	Cherie Mayers
06	04-16-2025	Removed items #01787 & #01788 and replaced with 1-piece carton item #04002 V5. Removed wafer seals and mitragynine sticker. Updated bottle from V3 to V4. Updated unit carton from V3 to V5. Removed acceptable quality limits page. Changed % to mg/serving on the sub-alkaloids and 7-OH on the testing spec.	Kristen Mitchell