

NUTRACEUTICAL MYCOLOGY • MUSHROOM EXTRACT SKILL DEVELOPMENT



NTHRYS
OPC PVT LTD



Medicinal Mushroom Extracts Industrial Manufacturing Training Programs

A complete industrial catalogue of hands-on mushroom-extract training modules — from reishi & cordyceps to lion's mane, chaga & beta-glucan nutraceuticals.

55

PROGRAMS

10

CATEGORIES

2026

EDITION

Program Categories at a Glance

This catalogue lists every medicinal mushroom extract and bioactive our training programs are equipped to manufacture and teach, organised into 10 technology streams. Each program carries a unique product code for easy reference, enrolment and certification.

STREAM	CATEGORY FOCUS	DESCRIPTION	COUNT
NMX-RE	Reishi (Ganoderma) Extracts	Polysaccharide, triterpene & dual reishi extracts	6
NMX-CO	Cordyceps Extracts	Cordycepin & adenosine cordyceps extracts	5
NMX-LM	Lion's Mane Extracts	Hericenone & erinacine nootropic extracts	5
NMX-CT	Chaga & Turkey Tail Extracts	Chaga triterpene & turkey-tail PSK/PSP extracts	6
NMX-BG	Maitake, Shiitake & Beta-Glucan Extracts	D-fraction, lentinan & multi-glucan extracts	5
NMX-BC	Bioactive Compound Isolation	Triterpene, cordycepin & PSK/PSP isolation	5
NMX-MY	Mycelium Biomass & Fermentation Production	Submerged & solid-state mycelium production	6
NMX-EX	Extraction & Concentration Technology	Hot-water, dual & supercritical extraction	6
NMX-FT	Standardization, Formulation & Delivery	Standardisation, capsule, tincture & blends	6
NMX-QC	Quality, Testing & Compliance	Glucan assay, marker HPLC & DNA authentication	5
Total training programs			55

HOW TO READ A CODE

NMX – RE – 01

NMX Nthrys Mushroom-Extract Program RE Category stream 01 Program number

01

CATEGORY • NMX-RE

Reishi (Ganoderma) Extracts

Polysaccharide, triterpene & dual reishi extracts

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NMX-RE-01	Reishi Polysaccharide Extract	Hot-water beta-glucan extract.
NMX-RE-02	Reishi Triterpene Extract	Ethanol ganoderic-acid extract.
NMX-RE-03	Reishi Dual Extract	Combined water-ethanol extract.
NMX-RE-04	Reishi Spore Powder / Oil	Cracked-spore product.
NMX-RE-05	Reishi Mycelium Extract	Fermented-mycelium extract.
NMX-RE-06	Standardised Reishi Extract	% beta-glucan / triterpene grade.

02

CATEGORY • NMX-CO

Cordyceps Extracts

Cordycepin & adenosine cordyceps extracts

5

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NMX-CO-01	Cordyceps Polysaccharide Extract	Hot-water polysaccharide extract.
NMX-CO-02	Cordycepin-Rich Extract	Cordycepin-standardised extract.
NMX-CO-03	Cordyceps Adenosine Extract	Adenosine-standardised extract.
NMX-CO-04	Cordyceps Mycelium Biomass Extract	Cultured-mycelium extract.
NMX-CO-05	Standardised Cordyceps Extract	% cordycepin grade.

03

CATEGORY • NMX-LM

Lion's Mane Extracts

Hericenone & erinacine nootropic extracts

5

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NMX-LM-01	Lion's Mane Polysaccharide Extract	Beta-glucan hot-water extract.
NMX-LM-02	Hericenone Extract	Fruit-body hericenone extract.
NMX-LM-03	Erinacine Extract	Mycelium erinacine extract.
NMX-LM-04	Lion's Mane Dual Extract	Combined nootropic extract.
NMX-LM-05	Standardised Lion's Mane Extract	% beta-glucan grade.

04

CATEGORY • NMX-CT

Chaga & Turkey Tail Extracts

Chaga triterpene & turkey-tail PSK/PSP extracts

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NMX-CT-01	Chaga Polysaccharide Extract	Chaga hot-water extract.
NMX-CT-02	Chaga Betulinic-Acid Extract	Triterpene chaga extract.
NMX-CT-03	Chaga Melanin Extract	Antioxidant melanin extract.
NMX-CT-04	Turkey Tail PSK Extract	Krestin polysaccharide extract.
NMX-CT-05	Turkey Tail PSP Extract	Polysaccharopeptide extract.
NMX-CT-06	Standardised Chaga / Trametes Extract	Standardised grade.

05

CATEGORY • NMX-BG

Maitake, Shiitake & Beta-Glucan Extracts

D-fraction, lentinan & multi-glucan extracts

5

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NMX-BG-01	Maitake D-Fraction	Grifola beta-glucan fraction.
NMX-BG-02	Shiitake Lentinan Extract	Lentinan polysaccharide extract.
NMX-BG-03	Agaricus blazei Extract	Beta-glucan immune extract.
NMX-BG-04	Tremella Polysaccharide Extract	Beauty / hydration extract.
NMX-BG-05	Mushroom Beta-Glucan Complex	Multi-mushroom glucan blend.

06

CATEGORY • NMX-BC

Bioactive Compound Isolation

Triterpene, cordycepin & PSK/PSP isolation

5

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NMX-BC-01	Triterpenoid Isolation	Ganoderic-acid purification.
NMX-BC-02	Cordycepin Purification	Nucleoside isolation.
NMX-BC-03	Polysaccharide-Peptide Isolation	PSK / PSP purification.
NMX-BC-04	Ergosterol / Vitamin-D2 Recovery	Provitamin-D recovery.
NMX-BC-05	Phenolic / Antioxidant Isolation	Bioactive-phenolic isolation.

07

CATEGORY • NMX - MY

Mycelium Biomass & Fermentation Production

Submerged & solid-state mycelium production

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NMX-MY-01	Liquid Submerged Mycelium Culture	Submerged mycelium production.
NMX-MY-02	Solid-State Mycelium-on-Grain	Grain-myceliated biomass.
NMX-MY-03	Bioreactor Mycelium Scale-Up	Stirred / airlift scale-up.
NMX-MY-04	Exopolysaccharide Production	Broth EPS recovery.
NMX-MY-05	Strain Selection & Improvement	High-bioactive strain selection.
NMX-MY-06	Mycelium Harvest & Biomass Drying	Biomass recovery & drying.

CODE	TRAINING PROGRAM	DESCRIPTION
NMX-EX-01	Hot-Water Extraction	Polysaccharide extraction.
NMX-EX-02	Ethanol / Dual Extraction	Triterpene & combined extraction.
NMX-EX-03	Ultrasonic / Enzyme-Assisted Extraction	Enhanced extraction.
NMX-EX-04	Supercritical CO2 Extraction	Solvent-free lipophilic extraction.
NMX-EX-05	Concentration & Spray Drying	Extract concentration & drying.
NMX-EX-06	Membrane / Chromatographic Polishing	Fractionation & purification.

09

CATEGORY • NMX-FT

Standardization, Formulation & Delivery

Standardisation, capsule, tincture & blends

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NMX-FT-01	Beta-Glucan Standardisation	% beta-glucan assay & grading.
NMX-FT-02	Triterpene Standardisation	% triterpene grading.
NMX-FT-03	Capsule / Tablet Formulation	Solid-dose nutraceutical.
NMX-FT-04	Tincture / Liquid Formulation	Alcohol-extract liquid.
NMX-FT-05	Functional-Food / Beverage Blend	Food & drink fortification.
NMX-FT-06	Cosmetic / Topical Formulation	Skin-care extract product.

10

CATEGORY • NMX-QC

Quality, Testing & Compliance

Glucan assay, marker HPLC & DNA authentication

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PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NMX-QC-01	Beta-Glucan / Polysaccharide Assay	Glucan-content testing.
NMX-QC-02	Marker-Compound HPLC Assay	Active-marker quantification.
NMX-QC-03	Heavy-Metal & Contaminant Testing	Safety screening.
NMX-QC-04	Species Authentication (DNA)	Identity verification.
NMX-QC-05	Nutraceutical Regulatory Compliance	Labelling & claim compliance.

ENROL • EXTRACT • STANDARDISE

Build a Career in Mushroom Nutraceuticals

Every program in this catalogue is delivered as hands-on training on working extraction and formulation equipment — covering mycelium & fruit-body sourcing, hot-water & dual extraction, bioactive isolation, concentration & drying, beta-glucan & triterpene standardisation, formulation, assay & QC and regulatory compliance. Mix and match programs to design a track that fits your goals.

55 training programs

10 technology streams

Unique **product code** for every module

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