

FEED ADDITIVE TECHNOLOGY • ENZYME & NUTRITION SKILL DEVELOPMENT



NTHRYS
OPC PVT LTD



Feed Enzymes & Feed Additives Industrial Manufacturing Training Programs

A complete industrial catalogue of hands-on feed-additive production training modules — from enzymes to vitamin-mineral premixes.

63

PROGRAMS

10

CATEGORIES

2026

EDITION

Program Categories at a Glance

This catalogue lists every feed enzyme and feed additive 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
NFA-EN	Feed Enzymes	Phytase & NSP-enzyme fermentation & recovery	9
NFA-OA	Organic Acids & Acidifiers	Acidifier & coated-acid product manufacture	7
NFA-PH	Phytobiotics & Phytogenics	Essential-oil & plant-extract additive production	6
NFA-MB	Mycotoxin Binders & Detoxifiers	Clay, yeast & enzymatic toxin-binder manufacture	6
NFA-AA	Feed Amino Acids	Limiting & rumen-protected amino-acid supplements	6
NFA-VT	Vitamins & Vitamin Premixes	Vitamin blend & premix manufacture	6
NFA-MN	Minerals & Trace-Mineral Supplements	Phosphate, chelate & mineral-premix production	6
NFA-GH	Gut-Health & Specialty Additives	Nucleotide, emulsifier & specialty additive manufacture	5
NFA-PV	Preservatives & Feed-Quality Additives	Mold inhibitor, antioxidant & binder production	6
NFA-FT	Formulation, Premix & Carrier Technology	Premix blending, coating & carrier-system technology	6
Total training programs			63

HOW TO READ A CODE

NFA – EN – 01

NFA Nthrys Feed-Additive Program EN Category stream 01 Program number

CODE	TRAINING PROGRAM	DESCRIPTION
NFA-EN-01	Phytase	Phosphorus-releasing phytate enzyme.
NFA-EN-02	Xylanase	Arabinoxylan-degrading NSP enzyme.
NFA-EN-03	Beta-Glucanase	Beta-glucan-degrading enzyme.
NFA-EN-04	Cellulase	Fibre-degrading enzyme.
NFA-EN-05	Amylase	Starch-digesting enzyme.
NFA-EN-06	Protease	Protein-digesting enzyme.
NFA-EN-07	Lipase	Fat-digesting enzyme.
NFA-EN-08	Mannanase	Mannan-degrading NSP enzyme.
NFA-EN-09	Multi-Enzyme (NSP) Complex	Combined NSP-enzyme cocktail.

02

CATEGORY • NFA-OA

Organic Acids & Acidifiers

Acidifier & coated-acid product manufacture

7

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NFA-OA-01	Formic Acid	Strong feed-acidifying acid.
NFA-OA-02	Propionic Acid	Mold-inhibiting acidifier.
NFA-OA-03	Lactic Acid	Gut-acidifying organic acid.
NFA-OA-04	Citric Acid	Chelating feed acidifier.
NFA-OA-05	Fumaric Acid	Energy-supplying organic acid.
NFA-OA-06	Coated Butyrate	Gut-targeted sodium butyrate.
NFA-OA-07	Acidifier Blend	Synergistic organic-acid blend.

03

CATEGORY • NFA-PH

Phytobiotics & Phytogenics

Essential-oil & plant-extract additive production

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NFA-PH-01	Essential-Oil Blend	Oregano-thyme-cinnamon actives.
NFA-PH-02	Capsicum / Garlic Extract	Pungent phytogetic stimulant.
NFA-PH-03	Saponin (Yucca / Quillaja)	Ammonia-binding saponin extract.
NFA-PH-04	Tannin Extract	Astringent gut-modulating tannin.
NFA-PH-05	Curcumin / Turmeric	Anti-inflammatory phytogetic.
NFA-PH-06	Herbal Growth Promoter	Polyherbal feed phytobiotic.

04

CATEGORY • NFA-MB

Mycotoxin Binders & Detoxifiers

Clay, yeast & enzymatic toxin-binder manufacture

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NFA-MB-01	Bentonite / HSCAS Binder	Clay aflatoxin binder.
NFA-MB-02	Yeast Cell-Wall Binder	Glucomannan mycotoxin binder.
NFA-MB-03	Activated Charcoal	Broad adsorbent detoxifier.
NFA-MB-04	Enzymatic Detoxifier	Biotransformation toxin neutraliser.
NFA-MB-05	Combination Toxin Binder	Multi-component binder blend.
NFA-MB-06	Esterified Glucomannan	Advanced yeast-derived binder.

05

CATEGORY • NFA-AA

Feed Amino Acids

Limiting & rumen-protected amino-acid supplements

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NFA-AA-01	L-Lysine	Limiting amino-acid supplement.
NFA-AA-02	DL-Methionine	Sulphur amino-acid supplement.
NFA-AA-03	L-Threonine	Third-limiting amino acid.
NFA-AA-04	L-Tryptophan	Behaviour & growth amino acid.
NFA-AA-05	L-Valine	Branched-chain amino acid.
NFA-AA-06	Rumen-Protected Amino Acid	Bypass-protected amino acid.

06

CATEGORY • NFA-VT

Vitamins & Vitamin Premixes

Vitamin blend & premix manufacture

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NFA-VT-01	Vitamin Premix	Multi-vitamin feed premix.
NFA-VT-02	Fat-Soluble Vitamins (A,D3,E,K)	Fat-soluble vitamin blend.
NFA-VT-03	B-Complex Premix	Water-soluble B-vitamin blend.
NFA-VT-04	Choline Chloride	Liver & growth feed additive.
NFA-VT-05	Stabilised Vitamin C	Coated ascorbic-acid additive.
NFA-VT-06	Biotin / Niacin	Targeted single-vitamin additive.

07

CATEGORY • NFA-MN

Minerals & Trace-Mineral Supplements

Phosphate, chelate & mineral-premix production

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NFA-MN-01	Dicalcium Phosphate (DCP)	Calcium-phosphorus mineral source.
NFA-MN-02	Monocalcium Phosphate (MCP)	High-availability phosphate.
NFA-MN-03	Inorganic Trace-Mineral Mix	Sulphate / oxide trace minerals.
NFA-MN-04	Chelated Trace Minerals	Organic Zn-Cu-Mn-Fe chelates.
NFA-MN-05	Mineral Premix	Balanced macro-micro mineral premix.
NFA-MN-06	Mineral Lick / Block	Free-choice mineral block.

08

CATEGORY • NFA-GH

Gut-Health & Specialty Additives

Nucleotide, emulsifier & specialty additive manufacture

5

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NFA-GH-01	Nucleotides	Immune & gut-development additive.
NFA-GH-02	Emulsifier (Lysolecithin)	Fat-digestion emulsifier.
NFA-GH-03	Bile-Acid Supplement	Lipid-utilisation enhancer.
NFA-GH-04	Glucomannan / Beta-Glucan	Immuno-modulating additive.
NFA-GH-05	Ammonia / Odour Binder	Litter & gut ammonia reducer.

09

CATEGORY • NFA-PV

Preservatives & Feed-Quality Additives

Mold inhibitor, antioxidant & binder production

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NFA-PV-01	Mold Inhibitor	Propionate-based anti-fungal preservative.
NFA-PV-02	Natural Antioxidant	Rosemary / tocopherol antioxidant.
NFA-PV-03	Synthetic Antioxidant (BHT/BHA)	Oxidation-control additive.
NFA-PV-04	Pellet Binder	Lignosulphonate / clay binder.
NFA-PV-05	Palatability / Flavour Enhancer	Feed-intake flavour additive.
NFA-PV-06	Anti-Caking Agent	Free-flow flow improver.

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CATEGORY • NFA-FT

Formulation, Premix & Carrier Technology

Premix blending, coating & carrier-system technology

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NFA-FT-01	Vitamin-Mineral Premix Blending	Master premix formulation.
NFA-FT-02	Microencapsulation / Coating	Protected-additive technology.
NFA-FT-03	Enzyme Thermostability Coating	Heat-protected enzyme product.
NFA-FT-04	Liquid Feed Additive	Liquid-grade additive formulation.
NFA-FT-05	Spray-Dried Additive Powder	Stabilised dried-additive powder.
NFA-FT-06	Carrier & Dilution Technology	Carrier-blend & dilution systems.

ENROL • FORMULATE • NOURISH

Build a Career in Feed Additive Manufacturing

Every program in this catalogue is delivered as hands-on training on working fermentation, blending and coating equipment — covering raw-material handling, enzyme fermentation & recovery, blending, coating & encapsulation, premix formulation, potency & assay QC, packaging and feed-safety compliance. Mix and match programs to design a track that fits your goals.

63 training programs

10 technology streams

Unique **product code** for every module

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