

INGOT[®] calibration packages



Description of INGOT[®]

INGOT[®] (International NIR Global Operating Technologies) is a set of universal NIR calibrations for the analysis of raw materials and finished products.

Creation of INGOT[®]

Calibration is a question of experience:

Central Laboratories (CL), UK and Walloon Agricultural Research Centre of Gembloux, Belgium (CRA-W) have decades of spectroscopy experience in NIR calibration development. They offer a selection of pre-calibrated applications in the fields of food and feed products.

Six advantages of INGOT[®] technology

- Simple routine production analysis
- Reference chemistry is performed with official methods
- Description of nearly a decade of seasonal, geographical and product variation
- INGOT[®] calibrations are continually expanded
- Very low customer maintenance required
- Full technical support available

INGOT Packages for NIRFlex N-500 are available for the analysis of:

- Feed and Feed Ingredients
- Flour and Milling Products

INGOT[®] calibration packages for Büchi NIRFlex N-500

The INGOT[®] calibration packages are adapted to the NIRFlex N-500 data format. The import is straightforward and the calibration models are ready to use from the very first day. Büchi Labortechnik AG will provide technical assistance to the end users of INGOT[®] models. The calibration packages can be tested before final order.

Level 4

Complete Feed and Feed Ingredients

Level 3

Feed Only 049301

Ingredients

Level 2

Concentrates

Poultry

Ruminant

Swine

Equine

Aqua Feed
(Unspecified)

High Protein
Low Oil Seed

049391

049304

049303

049305

049306

049307

049308

Level 1

Poultry
Concentrate

Broiler

Beef

Finisher
Pig

Race
Horse

Corn
Gluten 60%

049392

049324

049318

052007

049329

049338

Broiler
Concentrate

Chick

Sheep

Gestation
Sow

Pony

Cotton
Extract

049393

052003

049317

049328

049330

049335

Duck
Concentrate

Duck

Calf

Grower
Pig

Horse

Groundnut
Extract

049394

049323

049319

049327

052008

052009

Layers
Concentrate

Game

Dairy

Piglet

Linseed
Extract

049395

052004

049316

049325

049334

Ruminant
Concentrate

Goose

Dairy
Blends

Malt
Residue

049296

052005

052037

052010

Dairy
Concentrate

Layers

Lamb

Rape Meal
Extract

049397

049321

052002

049333

Blends
Concentrate

Ostrich

Goat

Soya Meal
Extract

049398

052006

049320

049331

Swine
Concentrate

Turkey

Sunflower
extract

049399

049322

049332

Pig Finisher
Concentrate

052000

Sesame
Meal Extract

052011

Pig Grower
Concentrate

052001

Distillery
High Protein

049350

049300

Only 049302

High Protein High Oil 049312	Low Protein Low Oil 049311		Low Protein High Oil 052028	Cereals 049309	Animal Proteins 049315	Legumes 049313	Milk Powders 049388
Rape/ Pulse Mix 049360	Citrus 049353	Palm Kernel Low Oil 049355	Biscuit Meal High Oil 052029	Barley 049340	Fish Meal 049370	Beans 049365	Dried Whey 049390
Rape Seed Expeller 052021	Cocoa 049337	Potato 052018	Copra High Oil 052030	Maize (Corn) 049343	Meat & Bone Meal 049369	Peas 049363	Skimmed Milk 049389
Soya Full Fat 052022	Copra Meal 049336	Rice 049342	Maize Germ 049362	Oats 049341	Blood & Plasma 052033	Lupins 049364	
Sunflower Seeds 052023	Corn Gluten Feed 20 % 049351	Rice Bran Extract 049349	Palm Kernel High Oil 052031	Triticale 049346	Feather Meal 052034	Alfalfa (Lucerne) 049368	
Cotton Seed Expeller 052024	Cracker Wheat 052013	Seed Screenings 052019	Rice Bran High Oil 052032	Wheat 049339	Poultry By-products 052035		
Linseed Expeller 052025	Distillery Low Protein 052014	Sugar Beet 049354		Red Wheat 052012	Bone Meal 052036		
Whole Rape 049359	Locust Bean 049357	Wheatfeed (Middlings) 049347		Sorghum 049345			
Sesame Expeller 052026	Maize Germ Low Oil 052015	Barley Bran 052020		Rye 049344			
Soyabean Expeller 052027	Oat Feed 052016	Biscuit Meal Low Oil 049352					
Whole Soyabean 049358	Oat Flour 052017	Oat Bran 049348					
Whole Linseed 049361	Grass Meal 049366	Shea Nut Meal 049356					

Level 4	Complete Flour and Milling 049371								
Level 3	Flour Only 049372					Milling Only 049373			
Level 2	Bread Flour 049374	Biscuit Flour 049375	Whole Meal 049376	Cake Flour 049377	Semolina 049378	Whole Wheat 049379	Ground Wheat 049380	Co- Products 049381	
Level 1						Hard Wheat 049382	Hard Wheat 049384		
						Soft Wheat 049383	Soft Wheat 049385		
						Durum 049387	Durum 049386		



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