

Today's consumers are increasingly interested in what they eat and require information that is accurate and easy to understand. It is advisable in all circumstances, and a legal requirement in some, for food manufacturers to exploit the "on pack" opportunity to inform the consumer.

Premier Analytical's Comprehensive Nutrition Service ensures accurate "on pack" information for your consumer.

Premier Analytical Services is one of the leading food testing centres in Europe, can supply you with a service that is designed to provide comprehensive support in this area delivering the highest value for money by offering:

- Consultancy advice
- Comprehensive scope of UKAS accredited analyses
- Fast, reliable results and interpretation.

You can rely on our advice and analytical results to provide accurate information for your consumers.

You can be confident that as one of our customers we will help you to implement the most appropriate testing regime.

 $You \ can \ use \ our \ service \ to \ monitor \ your \ products \ with \ regard \ to \ any \ Nutrition \ Claims \ that \ are \ made.$ 

The Comprehensive Nutrition Service from Premier Analytical Services provides information on which you and your consumers can rely.



## **Mandatory Nutrition Labelling**



What the numbers mean and advice on any course of action that may be required – providing you with a Comprehensive Nutrition Service.

Information must be declared per 100g or 100ml of the food. Or per portion, with the number of portions in a pack listed.

# Mandatory Nutrition UKAS Accredited Mandatory Nutrition Declaration Mandatory Nutrition Declaration new format: ENERGY by calculation FAT by analysis Yes SATURATED FATS by analysis CARBOHYDRATE by calculation (or difference) SUGAR PROFILE by analysis PROTEIN by analysis SALT by Sodium (by analysis) Measured for calculation but not declared on pack: MOISTURE by analysis ASH by analysis Yes DIETARY FIBRE by analyis (AOAC method)\*

Please refer to the LIKAS Schedule of Accreditation for the specific matrices

### Other Major Nutritional Components

		UKAS	
		UKAS	Lower Reporting Limits
		Accredited	Emillo
Meat content	By Stubbs & Moore calculation based on analysis of Fat, Moisture, Protein & Ash on meat portion of the product	Yes	N/A
- by Chemical analysis			
Meat content	By mechanical separation and weight measurements	No	N/A
- by separation			
рН		Yes	
Specific gravity / Density		No	
Chloride, water soluble	For Salt by Chloride	Yes	0.01g/100g
Fructans	Based on AOAC method 997.08	Yes	0.5g/100g
(Oligofructose & Inulin)	(As the method cannot distinguish between oligofructose and inulin, we require confirmation of which type is present for accurate	(Bakery & Dairy Food	
	quantification of fructans)	Types)	
Short chain length	Glucose oligomers by HPLC	No	
oligomers			
Sugars by refractometry (Brix)		Yes	
Starch glucose	using acid hydrolysis	No	

Please refer to the UKAS Schedule of Accreditation for the specific matrices.

		UKAS	Lower Reporting Limit
		Accredited	
Alcohol content	Specific gravity	No	
(grape musts, wine etc)			
Beta Glucans	Megazyme mixed linkage Beta Glucans test – Oat and Barley Beta glucans in cereals and cereal based products ONLY	No	
Caffeine		Yes	50 mg/kg
Capsaicin in spices	HPLC	No	
	(X16 for Scoville Value)		
Chlorinated lipids in foods containing chlorine treated flour		No	
Free Amino Acids	Suite contains the following free amino acids:		LODs (mg/kg) as follow
	Alanine Ala (A)	Yes	10 mg/kg
	Asparagine Asn (N)	Yes	10 mg/kg
	Aspartic acid Asp (D)	Yes	10 mg/kg
	Glutamic acid Glu (E)	Yes	10 mg/kg
		Yes	10 mg/kg
	Glycine Gly (G)	Yes	10 mg/kg
	Isoleucine IIe (I)	Yes	10 mg/kg
	Leucine Leu (L)	Yes	10 mg/kg
	Phenylalanine Phe (F)	Yes	10 mg/kg
	Serine Ser (S)	Yes	10 mg/kg
	Threonine Thr (T)	Yes	10 mg/kg
	Tyrosine Tyr (Y)	Yes	10 mg/kg
	Valine Val (V)	Yes	10 mg/kg
Monosodium Glutamate	NB we cannot distinguish amino acid from its sodium salt. We measure Glutamate and express it as MSG	No	
Inorganic anions by HPLC	Nitrate	No	10 mg/kg
(Sample matrix dependant)	todide	No	10 mg/kg
	Phosphate	No	10 mg/kg
	Sulphate	No	10 mg/kg
Nucleosides & Nucleotides in yeast, flavourings & fermentation liquors	Nucleosides= Adenosine/ Cytosine/ Guanosine/ Inosine Uridine	No	
	Nucleotides= Adenosine monophosphate AMP/ CMP/ GMP/ IMP/ UMP		
Osmolality in drinks (also Milk Freezing Point Depression)		No	
Phospholipids		No	
Phytic acid		No	
Purines (total)	Purines* Adenine/ Guanine/ Hypoxanthine/ Inosine/ Xanthine	No	
& Pyrimidines (total)	Pyrimidines= Cytosine/ Uracil		
Quinine in soft drinks		No	
Titratable acidity	Expressed mainly as acetic or citric acid but could be others	Yes	

### Consultancy & Advice

Following publication of the new European Food Information Regulation (EU) No 1169/2011, nutrition labelling becomes compulsory in the UK and throughout the EU for nearly all pre-packed foods for sale retail or to a cater

This new Regulation also changes the format that must be used for nutrition labelling of foods in the EU - all foods produced from 13th December 2014 must comply with the new rules.

The rules for making nutrition or health claims on foods in the EU have also recently undergone major changes and continue

Nutritional labelling is a complex area wherein the potential for error is very high. Premier Analytical Services's consultants can help you to get it right first time with advice that will answer questions such as:

What nutrition labelling rules apply to your particular food product?

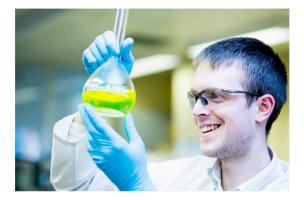
Do the claims you make on pack or in advertising fall within the scope of the Nutrition & Health Claims Regulation – how does this affect the nutrition declaration?

What do you do about nutrients not listed in the regulations or for which there are no conversion factors?

What are the different requirements for vitamins and minerals as well as PARNUT foods?

What is the correct and best way to derive the information for the declaration?





- Calculation from known or actual average values of the ingredients used OR
  Calculation from generally established and accepted data OR
  Analysis. The method of derivation preferred by the major manufacturers, retailers and food industry authorities.

### Calculation

If this is your preferred approach the experts at Premier Analytical Services can carry out calculations on your behalf or assist you to select and perform the most appropriate calculation.

At the heart of our service is the full range of tests required to derive all the information needed to make accurate nutrition declarations. All of our analyses in this area are accredited by UKAS to the ISO 17025 standard. As such you can rely on the results and be confident that the declarations you are making on your products are a true representation that can in turn be relied upon by your consumers.

What the numbers mean and advice on any course of action that may be required – providing you with a Comprehensive