

Typical Composition

Product	Currantex 20ES Blackcurrant extract powder.
Strength	20 % Anthocyanin
Product No.	J22205031

Test	Method	Results
Appearance	Free Flowing Powder	
Colour	Red/Purple	
Colour value	pH 3 citrate/phosphate buffer,	556
Solubility	Soluble	
Particle size analysis	180µm Sieve analysis	0.99%
Loss on drying	2 g, 105°C	4.18%
Total anthocyanins	HPLC	21.8%
Total Phenolics	Folin Ciocalteu, Catechin standard	21.3%
Nutritional Content		
Ash	Furnace 550°C	1.1 %
Protein	Leco, total combustion method	1.26 %
Gross Energy kJ/g	Bomb calorimetry	17.73 kJ/g
Fat	Soxtec extraction	1.91 %
Carbohydrate	By difference	91 %
(CHO=100-ash-protein-TDF-fat-moisuture)		
Insoluble dietary fibre	Enzymatic-Gravimetric	0.288 %
Soluble dietary fibre	Enzymatic-Gravimetric	0.098 %
Total dietary fibre (TDF)	Enzymatic-Gravimetric	0.386 %
Fructose	Gas Chromatography	1 %
Sucrose	Gas Chromatography	1.2 %
Glucose	Gas Chromatography	1.5 %
Maltose	Gas Chromatography	0.7 %
Antioxidant Assay	ORAC	3186 µmoleTE/g

Test	Method	Results
Mineral Scan	nitric/HCl acid digestion. ICP-MS	(g/100g)
Phosphorus		0.251
Potassium		0.281
Calcium		0.0179
Magnesium		0.0145
Sodium		0.070
Sulphur		0.037
Mineral Scan	nitric/HCl acid digestion. ICP-MS	(mg/kg)
Iron		32
Manganese		4.44
Zinc		2.7
Copper		1.08
Arsenic		<0.1
Mercury		<0.01
Silver		<0.01
Aluminium		54.7
Boron		7.7
Barium		0.81
Beryllium		<0.01
Bismuth		<0.01
Bromine		<0.5
Cadmium		<0.002
Cobalt		<0.02
Chromium		0.2
Caesium		<0.01
Lanthanum		0.04
Lithium		0.16
Molybdenum		0.23
Nickel		0.3
Lead		0.19
Rubidium		0.70
Antimony		<0.02
Selenium		<0.2
Tin		<0.05
Strontium		1.28

Titanium	<4
Thallium	<0.005
Uranium	0.012
Vanadium	<0.5
Acid Soluble Tungsten	<0.05

Test	Method	Results
Pesticides		
Total Dithiocarbamates	Stannous Chloride reduction	Not detected
Multiresidue Pesticide HPLC	Methanol Extraction, LCMS analysis	Not detected
Multiresidue Pesticide Analysis	Extraction, GPC cleanup, GC-ECD/NPD analysis	Not detected
Microbial content		
Aerobic plate count	BP2002 (Ph. Eur. 2.6.12)	70
Yeasts & Moulds	BP2002 (Ph. Eur. 2.6.12)	<20
Coliforms	Based on BP2002	<10
E. coli	BP2002 (Ph. Eur. 2.6.12)	Not detected
Salmonella	BP2002 (Ph. Eur. 2.6.12)	Not detected
Staphylococcus aureus	BP2002/USP 23 (Ph. Eur. 2.6.12)	Not detected
Heavy metals		
As, Cd, Pb, Hg, Cr	ICP-MS	Less than 10 ppm