

# DATASHEET

## RIEBER NATURAL SEAFOOD POWDER

**CODE**    **NAME**  
**0278**    **Rieber Squid Powder**  
*(Todarodes sagittatus or Illex argentinus or Loligo vulgaris)*

**Date: 16.08.2002**

Special analysis, additional to PRODUCT SPECIFICATION

### Standard Analysis (g/100g powder)

Total solids	min.	95
Protein (Nx6,25)		78 ± 5
Fat		12 ± 4
Ash		8,0 ± 4
Salt (NaCl)		3,0 ± 2

### Fatty acids (g/100g powder)

Saturated		3,5
Mono unsaturated		1,3
Poly unsaturated		6,8
	Poly n-3	6,5
	Poly n-6	0,3
Other		0,4

### Vitamins (mg/100g powder)

Riboflavine	<0,4
Niacine	6,6
Pantothenic acid	0,7
Cobalamin B <sub>12</sub>	< 0,01

### Microbiological Guidelines

	Target	Max.
Total plate count	< 5 000	50 000
Enterobacteriaceae	< 10	100
Escherichia coli (44°C)	abs.10g	10
Mould & Yeast	< 100	1000
Salmonella	abs.25g	

### Amino Acid Profile (g/100g protein)

Aspartic acid	asp	9,5
Glutamic acid	glu	15,1
Hydroxyproline	hyp	
Serine	ser	5,0
Glycine	gly	5,3
Histidine	his	1,9
Taurine	tau	
Arginine	arg	8,1
Threonine	thr	4,6
Alanine	ala	5,2
Proline	pro	4,7
Tyrosine	tyr	3,4
Valine	val	4,0
Methionine	met	2,4
Isoleucine	ile	4,3
Leucine	leu	8,3
Phenylalanine	phe	3,9
Lysine	lys	7,2
Tryptophan	trp	0,8

### Minerals (mg/100g powder)

Potassium	K	880
Sodium	Na	800
Magnesium	Mg	190
Calcium	Ca	83
Zink	Zn	7,9
Phosphorus	P	950
Selenium	Se	0,4
Iron	Fe	3,2

### Energy (calculated)

kcal/100g	420
kJ/100g	1760

### Particle size

95 % < 105 µ

### Bulk density (kg/litre)

0,4

### Heavy metals (mg/kg powder)

Arsenic	As	< 8,0
Cadmium	Cd	< 1,2
Lead	Pb	< 0,4
Mercury	Hg	< 0,3

### Cholesterol (g/100g powder)

1,8

### Comments

Standard analysis, microbiological analysis and particle size are monitored on each product batch. The values of amino acids, fatty acids, minerals, heavy metals, vitamins and cholesterol are typical values. These are analysed regularly on a random sample and are performed by accredited external laboratories. The content of heavy metals is also monitored against data from the Norwegian Directorate of Fisheries and the Norwegian Food Control Authority. The analysis of arsenic is total arsenic which consist of inorganic and organic arsenic. Inorganic arsenic is toxic whereas organic arsenic in seafood is according to the Joint FAO/WHO Expert Committee on Food Additives not found toxic to the human body. For Rieber Squid Powder the content of organic arsenic is more than 90% of total arsenic content.