

amino-acid

essential

- Methionine
- Alanine
- Threonine
- Tryptophan
- Valine
- Iso-leucine

- | |
|--|
| |
|--|

faty

fibre

- folic
ascorbi

acid
acid
c acid

•

retinol

colecalfceferol

tocopherol



element

major

macro

element

trace element or micro

I
V

Ni

Fe

Se

C

Co
Mn

Si
Fl

Zn
Cr

acid-base
equality

p^H

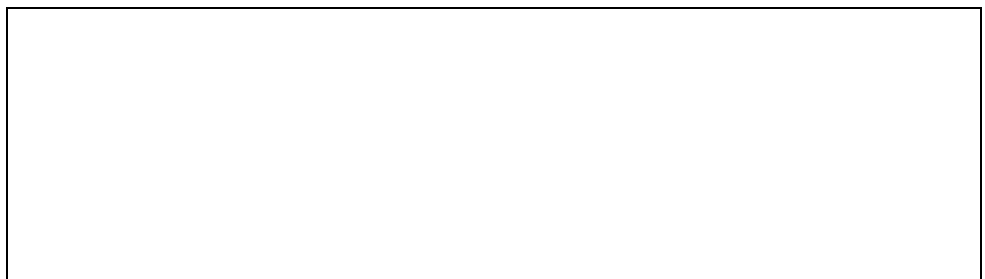
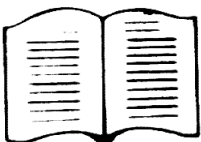
nutrient

non-

•
•
•

pelleting

natural component





✓

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গ
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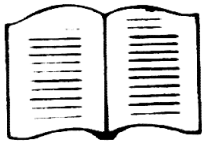
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Lv''' DcKiY



		casein



nutrient

anti-

Pruteen

soluble,
grain

Brewer's yeast, dried distiller's dark

Fish meal			
Bone meal			
Poultry offal meal			
Shrimp meal			
Blood meal			
Rice bran			
Wheat bran			
Mustard oil cake			
Linseed meal			
Sesame meal			
Soyabean meal			
Groundnut meal			
Cotton seed meal			

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Profile

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Spread sheet

Best buy analysis

	Water	Protein	Fat	Ash	NFE	Fibre	

$$\frac{30,000}{440} = 68.18$$

$$\frac{20,000}{842} = 23.75$$

$$\frac{6,000}{304} = 19.74$$

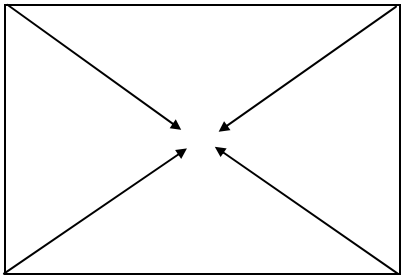
$$\frac{8,000}{111} = 72.07$$

$$\frac{8,000}{111} = 72.07$$



’s square

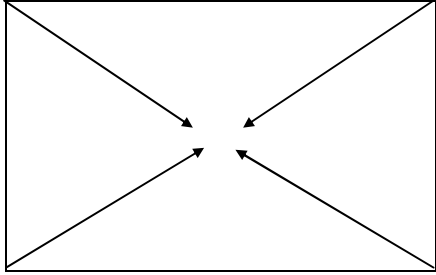
Pearson



$$\frac{18}{18 + 16} \times 100 = 86.6\%$$

$$\frac{16}{18 + 16} \times 100 = 89.5\%$$

≤



$$\frac{15,8}{15,8 + 20,8} \times 100 = 89,08$$

$$\frac{20,8}{15,8 + 20,8} \times 100 = 90,92$$

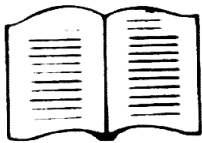
—



frequent

- Hand feeding
- Demand feeding
- Automatic

Trout





✓

K2

L2

M2

N2

K2

L2

M2

N2

K2

L2

M2

N2

Pruteen

K2

L2

M2

N2

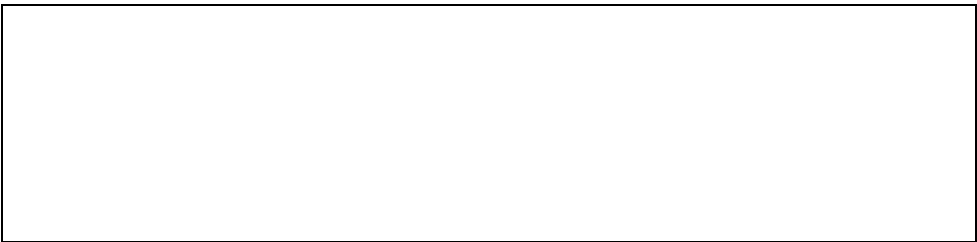
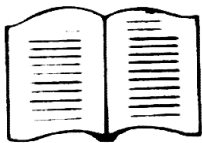


Physical loss



spore

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-
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-
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✓

K2

L2

M2

N2

K2

L2

M2

N2

K2

L2

M2

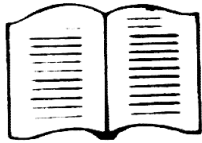
N2

K2

L2

M2

N2



Proximate analysis



Jeldahl

constant



Soxhlet

ash inorganic

Ash

Chemical tests for diet quality)

Daily instantaneous growth

$$G_w = \frac{l_n W_1 - l_n W_0}{T}$$

W_1

W_0

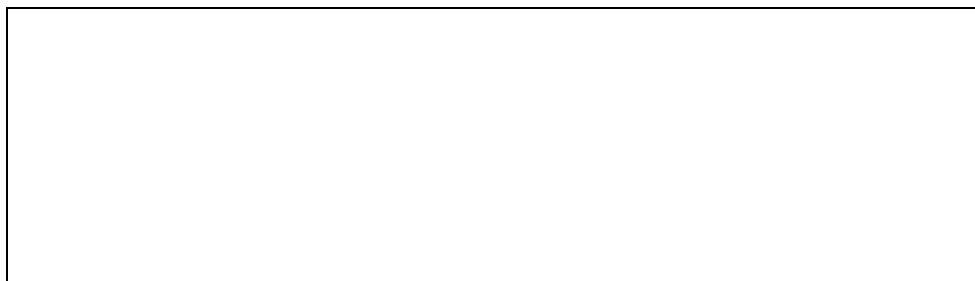
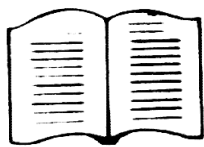
T

l_n = Natural Log

Digestibility Coefficient

faeces

Protein efficiency ratio





✓

K2

L2

M2

N2

Jeldahl

K2

L2

M2

N2

K2

L2

M2

N2

K2

L2

M2

N2

