

Edition 04/2008  
 Replace Ed. 04/2005  
 Provisional Technical Specification



# Casein Peptone K3 19567

## Organotechnie® S.A.S.

27, avenue Jean Mermoz  
 93120 La Courneuve, France  
 Tél : +33 (0) 1 49 92 87 50  
 Fax : +33 (0) 1 49 92 87 51

e-mail : [info@organotechnie.com](mailto:info@organotechnie.com)  
 web : <http://www.organotechnie.com>

### Definition

Casein Peptone K3 is manufactured by a controlled enzymatic hydrolysis of casein. It can be obtained with a Kosher certification.

### Description

Fine cream powder.  
 Casein Peptone K3 contains a mix of peptides and free amino acids.

### Use

Source of organic nitrogen and growth factors recommended in media for industrial fermentation.



### Physico-chemical characteristics

	Standard
Solubility in water at 2 %	Incomplete
pH (2 % solution)	7,6 – 8,4
Loss on drying	≤ 6.0 %
Total nitrogen TN	≥ 12,4 %
α-amino nitrogen AN	2.0 - 2.4 %
AN/TN x 100	13 – 20
Residue on ignition	≤ 15,0 %

### Microbiology

	Standard
Total aerobic microbial count	≤ 5 000 /g
Coliforms	≤ 50 /g
<i>Salmonella</i>	Absence / 25 g
Yeasts and moulds	≤ 50 /g

Les informations contenues dans ce document, données à titre indicatif, sont conformes à nos connaissances actuelles.

Il est de la responsabilité des utilisateurs de conduire leurs propres tests pour déterminer les conditions d'utilisations selon leurs usages spécifiques.

The information contained in this publication is based on our own research and development work and is to the best of our knowledge true and accurate.

Users should, however, conduct their own tests to determine the suitability of our products for their own specific purposes.

Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for the infringement of any patents.

# Casein Peptone K3 / 19567

Edition 04/2008  
Replace Ed. 04/2005  
Provisional Technical Specification

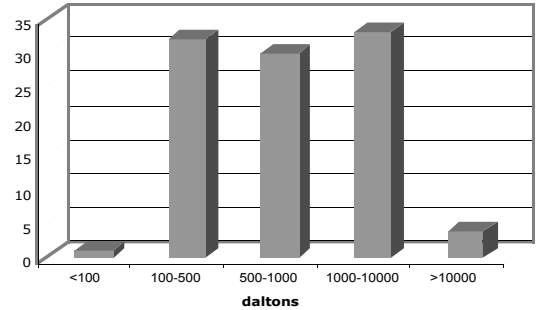


Organotechnie S.A.S.

## Typical data

Molecular weight distribution	g / 100 g
> 10 000 daltons	4
1 000 - 10 000 daltons	33
500 - 1 000 daltons	30
100 - 500 daltons	32
< 100 daltons	1

Amino acids		Total - T (g/100 g proteins)
Alanine	Ala	2,9
Arginine	Arg	3,9
Aspartic acid	Asp	7,0
Cystine	Cys	0,3
Glutamic acid	Glu	24,5
Glycine	Gly	1,8
Histine	His	2,9
Isoleucine	Ileu	5,3
Leucine	Leu	9,5
Lysine	Lys	7,7
Methionine	Met	3,0
Phenylalanine	Phe	4,9
Proline	Pro	12,3
Serine	Ser	5,4
Threonine	Thr	4,1
Tryptophan	Trp	1,3
Tyrosine	Tyr	5,5
Valine	Val	6,7



Molecular weight distribution

## Documentation

Kosher certificate, certificate of analysis supplied with each delivery.

## Storage

Keep in original packaging closed when not in use,  
at room temperature in a dry area.  
Hygroscopic product.

Best before: 2 years.

## Health and safety information

Dusty powder.  
Avoid inhalation.

Les informations contenues dans ce document, données à titre indicatif, sont conformes à nos connaissances actuelles.

Il est de la responsabilité des utilisateurs de conduire leurs propres tests pour déterminer les conditions d'utilisations selon leurs usages spécifiques.

The information contained in this publication is based on our own research and development work and is to the best of our knowledge true and accurate.

Users should, however, conduct their own tests to determine the suitability of our products for their own specific purposes.

Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for the infringement of any patents.