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TECHNICAL INFORMATION

Catalog Number: 104808

Peptone, Bacteriological Grade

Description: Peptone is produced from porcine and/or bovine tissues. The tissues are digested enzymatically to create small peptides and then spray dried.

Physical Description: Tan to brown powder

Solubility: Soluble in water (100 mg/ml - clear to slightly hazy solution)

Typical Analysis:

pH	5.5 - 7.0	Total Solids	93-97%
Ash	4%	Nitrogen	16%
Fat	0.5 - 3.0%	Total Plate Count	Not more than 10,000 cfu/gram
Salmonella	Negative	Iron	0.006%
Copper	0.001%	Calcium	0.248%
Cobalt	0.017%	Magnesium	0.001%
Phosphorus	0.07%	Zinc	0.001%
Sodium Chloride	0.6%	Protease N	1.2%
Primary Protease N	0.014%	Secondary Protease N	1.19%
Peptone N	12.75%	Free NH ₃ N	0.193%
Amino N	2.25%	Ether Soluble Extract	0.085%
Di Amino N	3.64%	Mono Amino N	10.94%
Riboflavin	0.001%	Niacin	0.006%
Calcium Pantothenate	Not Detected	Thiamine	Not Detected

Typical Amino Acids:

Arginine	8.0%	Cystine	0.1%
Glutamic Acid	9.1%	Histidine	0.9%
Isoleucine	1.6%	Leucine	2.8%
Lysine	4.3%	Methionine	1.0%
Phenylalanine	1.9%	Proline	14.0%
Threonine	1.8%	Tryptophane	0.2%
Tyrosine	0.8%	Valine	2.2%