



Technical Data Sheet

Format no: RDM/TD/P-09

Revision: 01 / 2024

Neo Peptone

RDM-P-09

Principle: Neo peptones are proteins from animal sources that have been hydrolyzed or broken down into amino acids and peptides by enzymatic process. It is a highly nutritious enzymatic digest of bovine and porcine protein and used as an ingredient in culture media. It provides vitamins, nucleotides, minerals, and peptides in a variety of media formulations. It can be incorporated into a variety of liquid and solid culture media formulations for the cultivation of fastidious and non-fastidious microorganisms.

Use: Recommended to use as culture media ingredient in variety of media and in fermentation.

Quality Control

Physical parameters

Appearance	Light beige colored homogeneous free flowing, hygroscopic powder
Solubility (2%)	Soluble in distilled water
Clarity	Light amber color clear solution without haziness at 2 % concentration
pH	6.00 – 7.50
Loss on drying	NMT 8.00%

Chemical analysis

Total Nitrogen	NLT 12.00 %
Amino Nitrogen	NLT 3.00%

Bacteriological testing: Bacteriological tests are carried out as per USP 32, NF26 where respective medium is prepared by using peptone under test.

Test for pathogens:

Total Plate Count	NMT 10000 cfu per gram
Yeast & Molds	Absent per 10 grams
<i>Escherichia coli</i>	Absent per 10 grams
<i>Salmonella</i>	Absent per 10 grams
<i>Staphylococcus aureus</i>	Absent per 10 grams

Culture response: Cultural response observed after incubation at 35-37°C for 24 hours by using 2% neo peptone, 0.5% sodium chloride and 1.5% agar in water, pH 7.2-7.4.

<i>Escherichia coli</i> (ATCC 8739)	Luxurious growth
<i>Salmonella typhimurium</i> (ATCC 14028)	Luxurious growth
<i>Pseudomonas aeruginosa</i> (ATCC 10145)	Luxurious growth

Storage and Shelf Life

Store below 30°C in tightly sealed jar or container. Use before expiry date on the label.
Expected performance when stored at optimum conditions and within expiry date.

Disposal: To avoid the contamination or propagation of any hazardous microbes used, unusable or modified preparation of this product must be disposed after autoclaving or incineration after completion of task.

Disclaimer

The information contained in the technical data sheet is to the best of our knowledge is accurate and true based on the research and development work carried out by **ReadyMED®**, Chaitanya Agro Biotech, Malkapur, Maharashtra. The products are neither intended for any therapeutic use for animal or human nor for any other *in-vivo* applications. The **ReadyMED®** products are only meant to be used for the laboratory, diagnostic, research, or further manufacturing purpose only. These technical outcomes should not be considered as the warranty of any kind expressed or implied, and no liability is accepted for infringement of any patent.

CHAITANYA AGRO BIOTECH PVT. LTD.

An ISO 11133:2014, ISO 13485:2016, ISO 9001:2015  , CIN NO.: U24210MH1995PTC095220S,
S. No. 120/2, Laxmi Nagar, Umbarnala Road, Malkapur-443101, Dist.: Buldana (M.S.) India. Customer Care +91- 8669083859
rdmsales@chaitanyagroupindia.com, mkt.cabt@chaitanyagroupindia.com, www.chaitanyagroupindia.com