

Nu-Tek Yeast Peptone SY3

Product Code: 2100

Maximum Microbial Growth with Short Production Cycles

Peptone SY3 is a carefully balanced non-animal peptone developed for maximum microbial growth with short production cycles. Peptone SY3 was designed to be efficient for fermentation and diagnostic testing. It is especially effective when used for growth of *E. coli*, *Bifidobacterium sp.* and *Lactobacillus sp.* When used at typical use levels of yeast extracts and peptones in microbial fermentations, SY3 will generally reach optimum cell growth yields in a shorter cycle time with comparable or greater yields.

Due to its cost effectiveness and excellent uniformity, Peptone SY3 can be used at all levels of product development including research, pilot plant, seed fermentation and commercial fermentation. In addition it is animal-free and kosher certified.

SPECIFICATIONS:

Typical Analysis:

Moisture	< 5.0%
Total Nitrogen (dry basis)	8.0%–9.5%
Amino Nitrogen (dry basis)	3.2%–4.8%
AN/TN Ratio	0.34–0.6
Total Carbohydrates	30.0%–34.0%
Ash	< 20.0%
pH	5.0–6.5
Clarity	< 50 NTU

Microbiological Analysis:

SPC	< 5,000 cfu/g
Coliform	< 5 cfu/g
<i>E. coli</i>	< 0.3 mpn/g
Yeast & Mold	< 50 cfu/g
Salmonella	Negative/25g

Packaging:

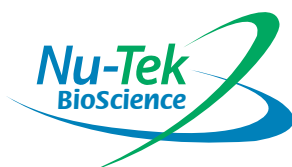
25 Kg polyethylene bag in a corrugated box.

Storage Requirements:

This product should be kept in a cool, dry and ventilated place. The product should be used as soon as possible after the bag has been opened. Any partially used bags must be sealed properly to prevent moisture adsorption by product.

Shelf Life:

The shelf life of the product is 3 years when stored at < 30°C.



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technologies for the biotech and nutraceutical ingredient industries

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