



## LITCHFIELD ANALYTICAL SERVICES

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Feeds Forages Mycotoxins Soils Plant Tissues Manure Fertilizers Lime Water

## Interpreting Phytase by BASF Method Results \*

### What is an FTU?

One unit of Phytase activity (FTU) is defined as the amount which liberates one micromole of inorganic phosphorus per minute from an excess of sodium phytate at 37° C (98.6°F) at a pH of 5.5.

### How many FTU's are there in Natuphos?

Natuphos has a phytase activity of no less than 5,000 FTU / gram.

### What levels of phytase is recommended?

For layers a feeding level of 300 FTU / kg of finished feed is recommended. A feeding level of 300 FTU of Phytase per kilogram of finished feed would require mixing 60 grams of Natuphos per ton of finished feed. This will result in 60 ppm phytase in the finished feed.

For swine, broilers, or turkeys, a feeding level of 500 FTU / kg of finished feed is recommended. A feeding level of 500 FTU of Phytase per kilogram of finished feed would require mixing 100 grams of Natuphos per ton of finished feed. This will result in 100 ppm phytase in the finished feed.

### What do my laboratory results of phytase mean?

<u>Lab Phytase Level (ppm)</u>	<u>Phytase FTU / kg</u>	<u>Natuphos grams / ton</u>
10	9.08	45
20	18.16	91
30	27.24	136
40	36.32	182
50	45.40	227
60	54.48	272
70	63.56	318
80	72.64	363
90	81.72	409
100	90.80	454
110	99.88	499
120	108.96	545

\* Source: BASF web site.