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Please visit our website <http://www.altromin.de>.

## 1314 / 1324 **TPF** - **TOTAL PATHOGEN FREE** Breeding / Maintenance diet for rats and mice

We are very pleased to present you our new product **TPF – Total Pathogen Free** feeding stuff.

Our scientists and technologists have developed a completely new manufacturing method which effectively reduces the microbiological germ status like autoclaved or irradiated feeding stuff.

TPF is particularly suitable for use in SPF-barriers or areas where an absolutely abacterial status is needed. By using a modern double vacuum packaging the risk of recontamination can be eliminated.

TPF animal feed is available as high standardized breeding and maintenance diet for rats and mice, 10mm pelletized.

### The advantages of TPF at a glance:

- **time and cost savings** because of elimination of the autoclaving and irradiating process – no changes in chemical characteristics as a effect of heat
- **30% cheaper** than irradiated feeding stuff
- **safety** - TPF will be delivered with a batch-based microbiological analysis report
- **sterile**, double vacuum packaging avoids recontamination
- upper foil can be removed and the packaging channeled into the barrier via dip tank
- 12 months **minimum durability**
- **lightweight packages** à 5 kg, 2 packages per unit
- **standardized** breeding and maintenance diets in known Altromin quality

### Specification

#### Contents of crude nutrients

	<b>1314 TPF</b>	<i>Tolerances*</i>	<b>1324 TPF</b>	<i>Tolerances*</i>
<b>Water/Moisture</b>	10.0	< 11.0	10.0	< 11.0
<b>Crude protein</b>	22.5	20.5 – 25.5	19.0	17.0 – 22.0
<b>Crude fat</b>	5.0	4.2 – 6.2	4.0	3.2 – 5.2
<b>Crude fiber</b>	4.5	3.1 – 5.4	6.0	4.65 – 6.9
<b>Crude ash</b>	6.5	4.55 – 7.15	7.0	4.9 – 7.7

\* **Tolerances** according to „Guidelines for the quality-secured production of animal feeding stuff“, German Society for Laboratory Animal Science (GV-SOLAS), August 2001

Please find further information in our attached catalogue of standard diets (item no. 1310 / 1320).

### Mikrobiological germ status

Aerobic total germ count	< 1,0 x 10 <sup>1</sup> cfu/g
Anaerobis total germ count	< 1,0 x 10 <sup>1</sup> cfu/g
Pathogenic, spore forming and food spoiling microorganism	< 1,0 x 10 <sup>1</sup> cfu/g

see attached mikrobiological analysis report

TPF feeding stuff is also available as diet deficient in nitrosamines and deficient in phytoestrogens.

**For further information please do not hesitate to contact our team.**