



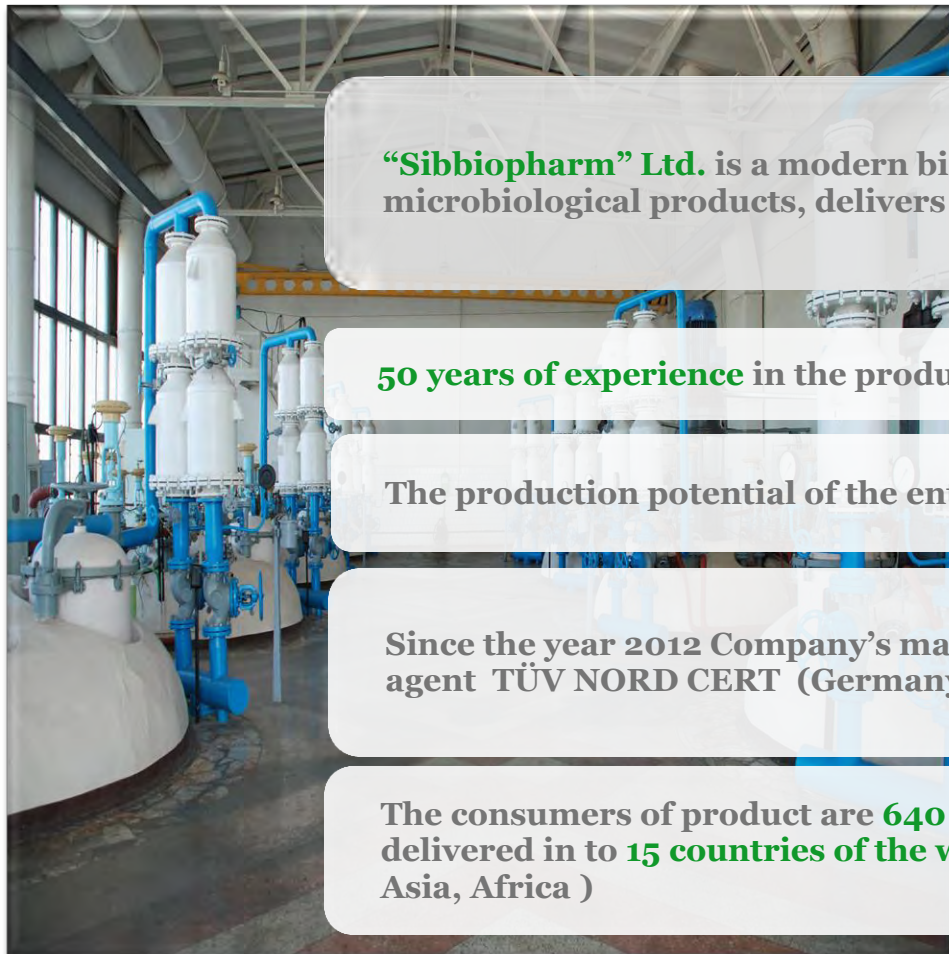
FEEDBEST[®] VGPro G

Enzyme complex for poultry and pig farming

Manufactured by “Sibbiopharm” Ltd.

ANIMAL NUTRITION and HEALTH Sibbio

“SIBBIOPHARM” LTD. TODAY



“**Sibbiopharm**” **Ltd.** is a modern biotechnological enterprise, producers and sells microbiological products, delivers to specified points, advises on application issues

50 years of experience in the production of biotechnology products

The production potential of the enterprise is up to **15 thousand tons per year**

Since the year 2012 Company’s management system has been certified by certifying agent TÜV NORD CERT (Germany) in accordance with **ISO 9001:2008**

The consumers of product are **640 enterprises** of Russia Federation. The products are delivered in to **15 countries of the world** (the CIF countries, Europe, South America, Asia, Africa)



ANIMAL NUTRITION and HEALTH ***Sibbio***

Sibbio Standard

- a reliable system for identifying enzyme activity
- three-level / three-phase control and standardization of the final product
- + 15 % activity. Safety stock in case of equipment problems, caused by human factor in case of losses caused by over-aggressive temperatures or long-term storage.

Sibbio Service

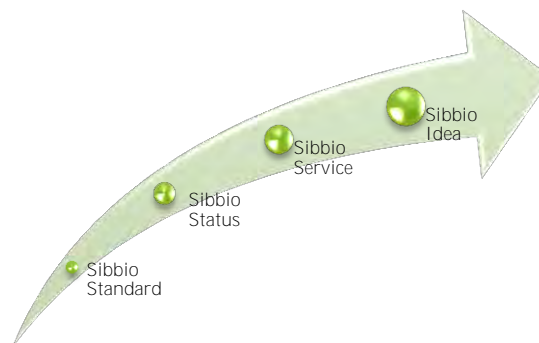
Service from Sibbio – is a real tool for the specialized selection of necessary activities, depending on the type of the diet, the age of poultry or animal, type of feeding. Service from Sibbio – is a guarantee of high-quality advice in the field of diet and biotechnology by highly qualified specialists.

Sibbio Idea

to offer the best solution in the field of enzyme products application for fodder production; introduce new solutions of enzyme activities and, through this, increase the profit of our partners.

Sibbio Status

The status of the manufacturer, who possesses competence of synthesizing active materials and the technologies for the production of finished commodity forms. Today Sibbio is an unique existing industry in the territory of the Russian Federation, EAEU.





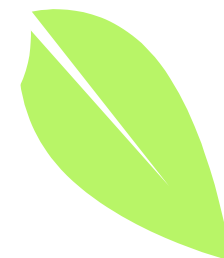
ENZYME COMPLEX FOR POULTRY FARMING AND PIG FARMING **FEEDBEST VGPRO G**

Feedbest VGPro G is an unique multi-enzyme product of the new generation to increase the digestibility of complex, hard-to-digest diets, which include large percentage of wheat, barley, bran, fiber, fiber from legumes, sunflower, rapeseed, soybean meal, cake by livestock and poultry.



ENZYME COMPLEX FOR POULTRY FARMING AND PIG FARMING FEEDBEST VGPRO G

Item	Activity U/gr	Effect
Xylanase	2300-2500	Splits pentonase (xylan, arabinoxylans and others) to mono- , disaccharides
Beta-glucanase	550	Splits glucans to low-molecular carbohydrates and glucose.
Pectin lyase	2500-3000	Destroys cementing substances of plant tissue such as pectin, arabinoxylans, xylan, lignin and provides cellulolytic microflora access to cellulose mycelium.
Pectinase	460-500	Increases the digestibility of internal plant cell pectin
Amylase	200	Reduces chyme viscosity



ENZYME COMPLEX FOR POULTRY FARMING AND PIG FARMING FEEDBEST VGPRO G



Advantages of the product:

- powerful, protected, high-tech, microgranulated;
- high distribution in feed;
- unique: pectin-lyase, pectate-traneliminase, exo-polygalacturanase activities can increase the digestibility of cellulose by 25.5%;
- synergetic effect of activities allows to more fully realize the potential of the animal and increase the efficiency of mixed feed;



- *Feedbest VGProG* stability to protease (pH - 3,5;) t=40C;

Pancreatic endoenzymes of the animal	Enzyme activity product, %	
	Sample № 1	Sample №2
Pepsin	94	93
Trypsin	92	91

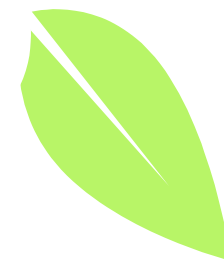
- Heat stability of enzymes in *Feedbestt VGProG*;

Product	Residual activity, %		
	75C*75%*2 min	85C*75%*2 min	90C*75%*10 sec
Feedbest VGProG	94	90	82

- Stability of enzymes in *Feedbest VGProG* – 12 months

Warranted term of storage, months / residual activity, %						
	1 month	3 months	5 months	7 months	9 months	12 months
Feedbest VGProG	105%	104%	103%	102%	101%	100%

*The activity of the product is increased comparing to declared by 5%
(Environmental conditions: temperature **25C**, relative humidity 60%)



ENZYME COMPLEX FOR POULTRY FARMING AND PIG FARMING FEEDBEST VGPRO G



Consumption rate of Feedbest VGProG

Type and age of animals	Consumption rate, gr/ton
<i>Hard to digest ratio</i>	
Poultry	500
Pigs	50
<i>Easy digestible ratio</i>	
Poultry	400
Pigs	400

Thank you!

**“SIBBIOPHARM” Ltd.:
Russia, 633004 Novosibirsk
Region, Berdsk,
Khimzavodskaya str., 11.
Tel./Fax: +7(38341) 5-80-00
International Trade
Department
E-mail: dva@sibbio.ru,
lvs@sibbio.ru
Website: www.sibbio.ru**

