

	PRODUCTION LABORATORY AGROVET OOO STABILITY STUDY REPORT	p. 1 of 1
HeZin feed additive		

Stability study report on animal feed additive HeZin (powder)

The study has been conducted to establish the stability of animal feed additive HeZin under test conditions.

1. **Name of animal feed additive:** HeZin
2. **Manufactured by:** Agrovvet OOO (Belgorod region, Russia)
3. **Presentation form:** powder
4. **Batch No.:** 2112021
5. **Date of manufacture:** 11/2021
6. **Package:** three-layer paper bags with polyethylene liner 25 kg
7. **Number of package units per batch:** 59 bags
8. **Performance conditions and study procedures:**
 2 samples of the product 30 g each has been taken from a batch:
 - a) Sample No. 002/1-21 — test;
 - b) Sample No. 002/2-21 — control.
 Sample No. 002/1-21 has been maintained at 90 °C for 30 min (oven SHS-80-01, serial No. 19456, qualification date: 01.09.2021).
9. **Specifications and test procedures for the samples:** according to company standard No. 73234616-0002-2020.
 Tests are performed for the following parameters of the company standard:
 - Appearance;
 - Loss on drying;
 - Identification of sodium formate, sodium propionate, zinc disodium edetate (zinc-EDTA);
 - Assay of sodium formate, sodium propionate, zinc disodium edetate (zinc-EDTA), zinc.
 Study results are represented as test protocols.

Conclusion. Exposure to high temperatures (90 °C for 30 minutes) for the feed additive HeZin did not cause significant changes in test parameters. The content of the active ingredients in the samples after adjusting to initial moisture, %:

Sodium formate: 10.6 (according to company standard No. 73234616-0002-2020 9,2-12,5);

Sodium propionate: 7.9 (according to company standard No. 73234616-0002-2020 7,0-9,6);

Zinc disodium edetate chelate complex (zinc-EDTA) 32.4 (according to company standard No. 73234616-0002-2020 27,2- 38,5);

Zinc: 5.3 (according to company standard No. 73234616-0002-2020 4,5-6,3).

HeZin feed additive is suitable for use in manufacturing process of feed production, accompanied by short-term exposure to high temperatures (90 °C for 30 minutes).

08.12.2021
 Production director

/signature/


S. N. Shandogilova