

## **Effect of PerC P50 and PerMicro BS on the Production Performance and Egg Quality of Layers at the Peak Period of Egg Laying**

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### **ABSTRACT**

This experiment studied on the effects of PerC P50 or PerMicro BS on the production performance and egg quality of layers at the peak period of egg laying. 6582 feather 247-day-old Hyland Brown layers were selected for this trial. They were healthy and egg laying was even, with similar laying rate. They were randomly divided into five treatments; each treatment has three replicates. Group I was control group. Group II: 200g/t PerC P50 was added into the basal diets; group III: 200 g/t PerC P50 and 200 g/t PerMicro BS (the number of effective spores is 2 million) were added into the basal diets; group IV: 500 g/t PerC P50 was added into the basal diets; group V: 500 g/t PerMicro BS (the number of effective spores is 5 billion) was added into the basal diets. The result shows that PerC P50 or PerMicro BS can improve the intestinal healthy of layers to decrease watery feces. PerC P50 or PerMicro BS also has a tendency to increase yolk color, meanwhile, it can improve the sliminess of egg white and the egg quality. In addition, 200 g/t PerC P50 and 200 g/t PerMicro BS can make the laying rate increased by 2.05%, egg weight increased by 0.76g/each, FCR decreased by 3%. 500 g/t PerMicro BS (the number of effective spores is 5 billion) can make laying rate increased by 1.73%, egg weight increased by 0.34g/each, FCR decreased by 1%.

**Key Words:** PerC P50, PerMicro BS, Production Performance, Layer