



# Compound feed for broilers, enriched in PUFA and natural antioxidants

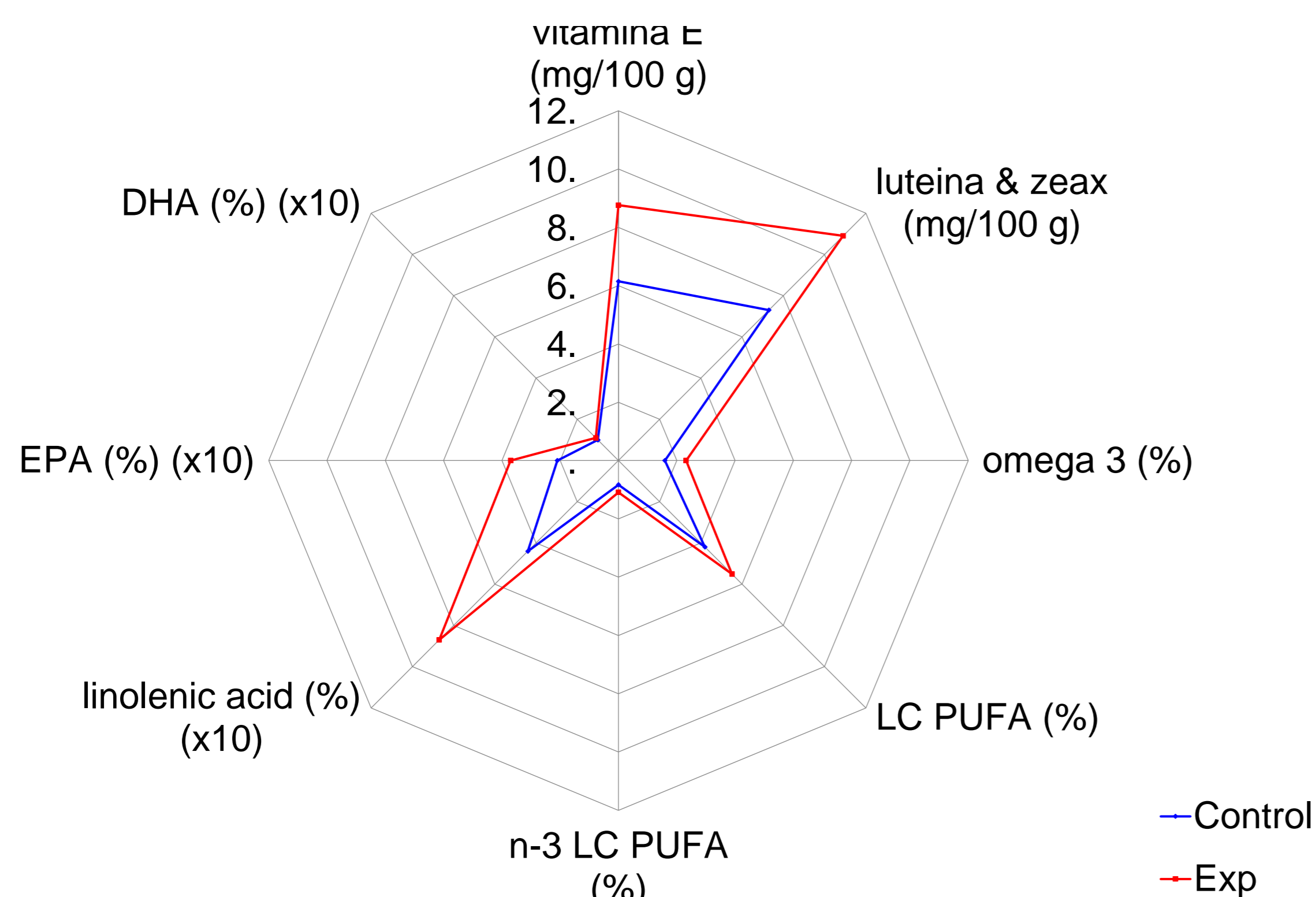
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The invention refers to a new structure for a feed composition for broiler chickens, the finishing phase, which, compared to a conventional recipe, contains supplements of natural feed additives, rich in polyunsaturated fatty acids and substances with an antioxidant role.

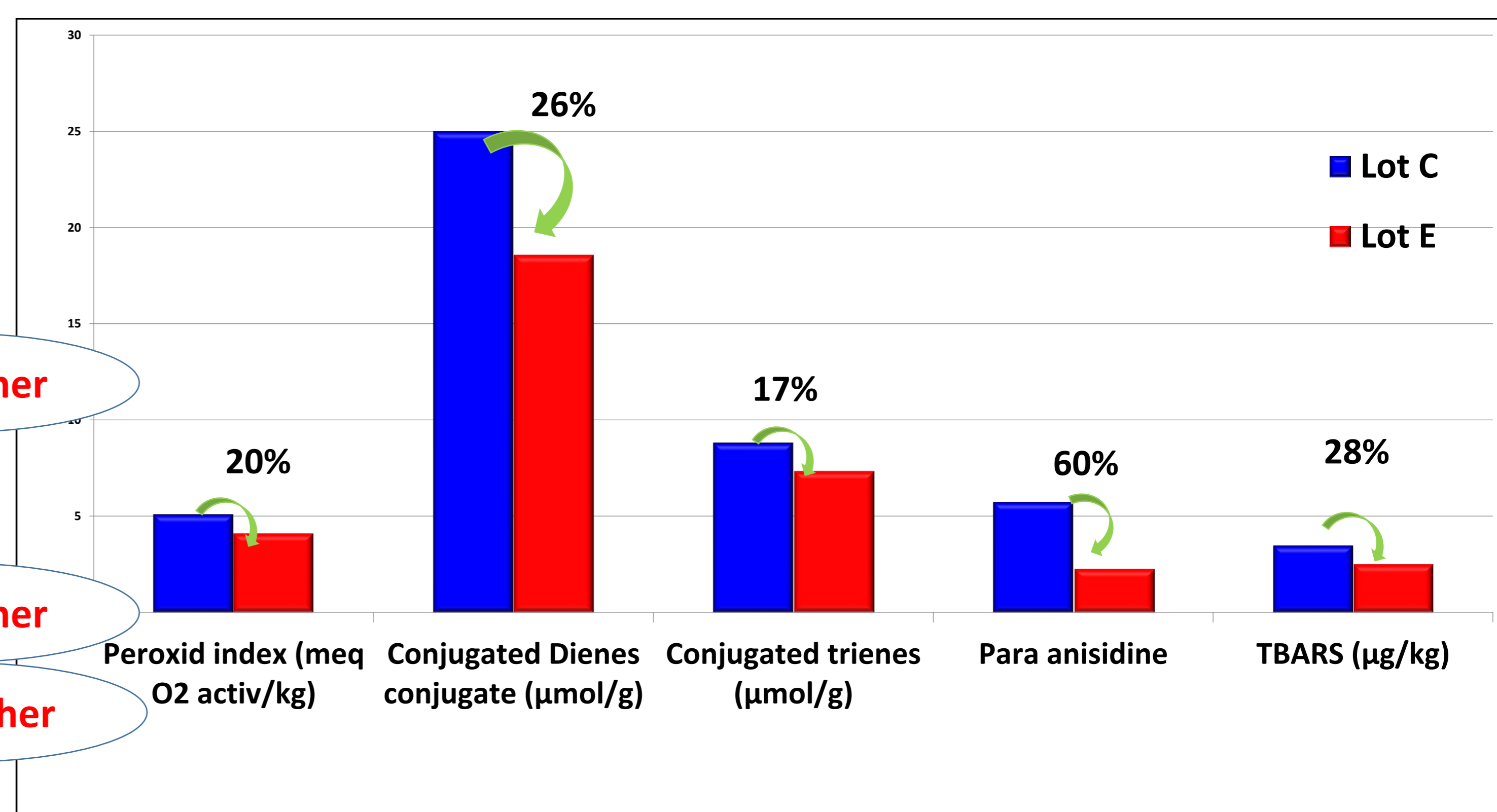
The technical problem that the claimed invention solves consists in the use of a new feed composition for broilers (28-42 days) with the aim of improving the nutritional quality of chicken meat (increasing the concentration of polyunsaturated fatty acids) under conditions of oxidative stability raised.



	Feed structure
Ingredients	%
Corn	35.63
Wheat	20
Corn gluten	4
Soybean meal	30.2
<b>Walnut meal</b>	<b>6</b>
<b>Creanberry leaves</b>	<b>1</b>
Vegetal oil	4.3
Monocalcic phosphate	1.52
Calcium carbonate	1.38
Salt	0.38
Methionina	0.25
Lysine	0.29
Coline	0.05
Premix	1
<b>TOTAL</b>	<b>100</b>

## The effect of the new feed structure on nutritional quality and oxidative stability of meat

	Control group	Exprim. group
<b>Fatty acids (g % g FAME)</b>		
SFA (%)	31,11a	29,26b
MUFA (%)	36,56a	31,23b
PUFA (%)	31,99b	38,98a
n-3 (%)	1,59b	2,32a
n-6 (%)	30,32b	36,47a
n-6/n-3	19,08a	15,73b
<b>Liposoluble antioxidant compounds</b>		
Vitamin E (mg/kg)	61.52	87.60
Lutein and zeaxanthin (mg/kg)	0.735	1.088



46% higher

42% higher

48% higher