



## Feed Corn

Name of quality parameters	Unit of measurement	Test results	Permissible limit in acc. with ISIRI	Test Methods
<b>Mycotoxins (ISIRI 5925)</b>				
AFLATOXIN B1	ppb	Less than 1	≤5	LC/GC/ECD
TOTAL AFLATOXIN B1, B2, G1, G2)	ppb	Less than 2	≤20	
<b>Maximum limit of heavy metals (ISIRI 12968)</b>				
Pb	mg/kg	Less than 0,050	≤ 10	Codex stan 193-2009
Cd	mg/kg	Less than 0,013	≤ 1	
Hg	mg/kg	0,010	≤ 0.1	
As	mg/kg	Less than 0,100	≤ 2	
<b>Maximum residue limit of pesticides (ISIRI 13120)</b>				
HEXACHLOROCYCLOHEXANE (α,β,γ)	mg/kg	Less than 0,008	≤ 0,05	MY 4380-87
D.D.T. AND ITS METABOLITES	mg/kg	0,008	≤ 0,05	
2,4-D	mg/kg	Less than 0,020	≤ 0,05	
HEXACHLOROBENZENE	mg/kg	Less than 0,008	≤ 0,05	
MERCURY BASED PESTICIDES	mg/kg	Less than 0,025	≤ 0,05	
<b>Bacteriological (ISIRI 3207)</b>				
Salmonella in 25 g		Not detected	negative	MY 4380-87
Mould		Less than 10	Less than 5x10 <sup>4</sup>	
Escherichia coli ( in 1 g)		Not detected	Less than 10	
T.V.N (g/hl)		22,0	≤ 50	ISO 5983.2:2009

ANALYSIS	UNITS	RESULTS	NORMA AS PER ISIRI	METHODS
<b>PHYSICAL AND CHEMICAL (ISIRI 1445)</b>				
Test weight	Kg/hl	70,1	≥ 60	ISO 7971-3 :2009
Crude fiber	%	1,79	≤ 2,7	ISO 6865:2000
Moisture	%	14	≤ 14	ISO 6540-80
Ash	%	1,14	≤ 1,5	ISO 5984:2002
Mass fraction of crude Fat	%	3,6	≥ 3,5	ISO 734-1:2006
Mass fraction of crude protein on dry basis	%	8,27	≥ 8	ISO 5983:2009
Calcium	%	0,034	≥ 0,03	ISO 6869:2000
Phosphor	%	0,29	≥ 0,29	ISO 6491:1998
Black dockage	%	3	≤ 3	EN 16378:2013
Broken kernels	%	3,21	≤ 8	EN 16378:2013
Heat damaged	%	0,36	≤ 0,5	EN 16378:2013
Other grains	%	0	≤ 2	EN 16378:2013
Pest infestation or presence of pest infestation trace	%	Not detected	NOT ALLOWED	ISO 6639-3:1986
Fusarium infected kernel	%	0	NOT ALLOWED	EN 16378:2013

