

Comparison Between DDGS Rice and Soya DOC

	DDGS Rice	SOYA DOC
Source	Protein & Energy both	Protein Only
Proteins	45-50%	45%
Energy	3500 k/Cal	2400 k/Cal
Oil	4%	2%
Moisture	10%	12%
Fiber	2%	7%
Sand Silica	1%	1%
Price	Always Less than Soya DOC	Rs. 32000 Ex

Specifications of DDGS Rice

Items	Contents(%)
Crude Protein	45% Min.
M/Energy	3500 K/cal
Fiber	2%
Oil	4%
Moisture	10%
Pepsin Digestibility	75% Min.

->DDGS is Free From all pathogenic fungus , bacteria and Salmonella

Pepsin Digestibility Test Report

Parameter	Method/Instrument	Unit	Result
Pepsin Digestibility	TAL/CH/A&FTM/SOP/107	g/100 g	78.71

->Analysis of DDGS is done by TA Labs Private LTD.

Bacteria Salmonella Aflatoxins Test Report

Sr. No.	Parameter	Results	Standard/Specification/Method Followed
1.	Total Bacterial Count	470 cfu / g	IS 5402 : 2012
2.	Salmonella	Absent / 25 g	IS 5887 (Part 3) : 1999
3.	Total Aflatoxins(G1,G2,B1,B2)	BDL (MDL : 15ppb)	AOAC 990.33

BDL : Below Detection Limit MDL : Method Detection Limit

->Analysis of DDGS is done by Punjab Biotechnology Incubator

Amino acids profile of DDGS Rice

Amino Acids	Content (%)*	AA (%) in CP	Content(% as is)
Methionine	1.23	2.66	1.31
Cystine	0.92	1.98	0.98
Methionine + Cystine	2.15	4.63	2.29
Lysine	1.33	2.86	1.42
Threonine	1.66	3.59	1.78
Arginine	3.12	6.74	3.34
Isoleucine	2.00	4.31	2.13
Leucine	3.67	7.93	3.92
Valine	2.78	6.01	2.97
Histidine	1.01	2.19	1.08
Phenylalanine	2.38	5.15	2.55
Glycine	1.99	4.29	2.12
Serine	2.11	4.55	2.25
Proline	2.11	4.55	2.25
Alanine	2.62	5.65	2.80
Aspartic acid	3.99	8.61	4.26
Glutamic acid	7.68	16.60	8.20
Total(Without NH 3)	40.6	87.67	43.36
Ammonia	1.10	2.38	1.18
Total	41.7	90.05	44.54

->Analysis of DDGS is done by Evonic Industries .