

Fecha 28-12-2022 Sampled: 28-12-2022

Rep Industrias Vínicas S.A

Industrias Vínicas S.A / 1 Afrecho de pepa de uva.

Humedad 10,85

Materia Seca 89,15



Proteína	%MS	60d	4 años
Proteína Cruda	15,79		
Aminoácidos Totales			
Proteína Soluble %			
NH3-N PC Equiv.			
N-NH3, %PC			
PCIDA			
PCIDN			
PCIDA, %PC			
PC Disponible			
Nitrate-N, ppm			
N-Nitrato, ppm			

**Cálculos de Aminoácidos**

Lisina, % de PC	
Metionina, % de PC	
Histidina, % de PC	

**Minerales Cenizas**

Minerales	Cenizas
Cenizas	6,92
Calcio	
Fósforo	
Magnesio	
Potasio	
Sodio	
Azufre	
Cloro	
Aluminio	
Boro	
Cobre	
Hierro	
Manganeso	
Molibdeno	
Zinc	

Carbohidratos	%MS	60d	4 años
FDA	51,64		
aFDN	59,97		
aFDNmo			
Lignina			
Almidón	11,20		
Azúcar (CSE)			
Azúcar (CSA)			
Glucosa			
Fructosa			
Sacarosa			
Lactosa			
Manitol			
Total Sugar			
Fibra Cruda	36,63		

**Productos de Fermentación**

pH	
Ácido Láctico	
Ácido Acético	
Ácido Butírico	
Ácido Propiónico	
Succínico	
Fórmico	
Ácidos Totales	
Etanol	
1,2 Propanediol	
1 Propanol	
2,3 Butanediol	
2 Butanol	
2 Propanol	
Pérdidas por Ferm.	
Lactato de Etilo	
Acetato de Etilo	

Grasas	%MS	60d	4 años
Extracto Etereo	2,73		
Ácidos Totales			
Acid Hydrolysis			
	<b>%AG</b>		
Mirístico (C14:0)			
Palmítico (C16:0)			
Estearico (C18:0)			
Oléico (C18:1 c9)			
Linoléico (C18:2 c9,12)			
Linolénico (C18:3 c9,12,15)			
RUFAL			
<b>Digestión de Nutrientes, % de Nutrientes</b>			
tFDND 12	0,14		
tFDND 30	0,29		
tFDND 48			
tFDND 72	0,57		
tFDND 120	0,98		
tFDND 240	9,36		
tFDND 30mo			
tFDND 120mo			
tFDND 240mo			
sFDND 24			
sFDND 30			
sFDND 48			
uFDN 30, %MS	59,80		
uFDN 240, %MS	54,36		
Dig. Alm. in situ0			
Dig. Alm. in situ3			
Dig. Alm. in situ7			
Dig. Alm. in situ16			
Dig. Alm. in situ24			
in situ PNDR 16h			
PNDR Dig. Intest. %PNDR			

### Comprehensive Nutrition Analysis Report

Cálculos	%MS	60d	4 años
Dinámica FDN kd, %h			
Dinámica Almidón kd, %h			
RFV			
RFQ			
TTFDND, %FDN			
Dig. Almidón Tracto Total			
CNF	14,58		
DCAD			
Sal			
RDP %CP			

Cálculos de Energía	NDT	ENL	ENg	ENm
ADF (PA)				
OARDC Dairy				
NRC2001 Dairy	31,53	0,550	-0,443	0,071
Milk2006 Lechería				
NRC2016 Beef				
Leche/Ton, Milk2006				
Beef kg/ton				
EM 3X NRC2001	1,052			
EM 1X NRC2001	1,052			

Anti-Nutrientes	
Hongos	
Levaduras	
Vomitoxina	
Aflatoxina	BDL
Zearalenona	
Fumonisina	
T-2	
Ocratoxina-A	
<i>Clostridium perfringens</i>	
Enterobacteria	

## Mycotoxin Report

Representative:

Industrias Vínicas S.A

INDUSTRIAS VÍNICAS S.A 07-0580  
Galvarino Gallardo 1588  
Providencia, Santiago, RM  
+5622359482

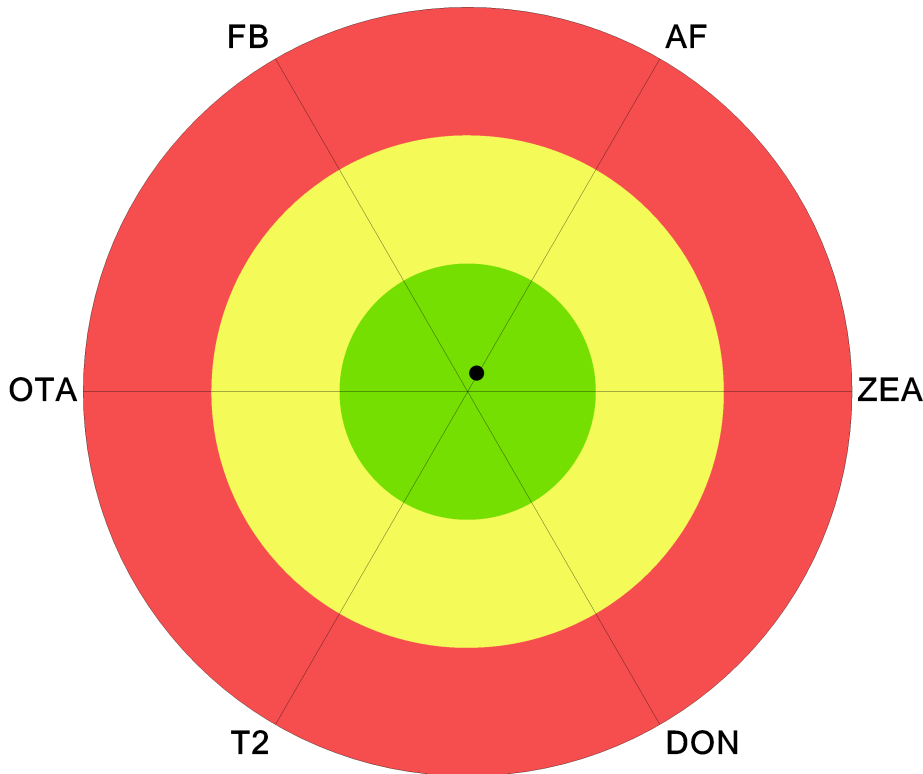
Lab # 7-225-135    Sampled 28-12-2022    Received 28-12-2022  
1 Afrecho de pepa de uva.  
Industrias Vínicas S.A

Dry Matter 89,1  
Moisture 10,9

Mycotoxin (Total)	Below Concern (Green)	Concern* (Yellow to Red)	Dairy Concern Levels, TMR**
Aflatoxin (AF)	BDL		20 ppb
Fumonisin (FB)			2 ppm
Ochratoxin (OTA)			5 ppm
T-2 Toxin (T2)			100 ppb
DON			1 ppm
Zearalenone (ZEA)			400 ppb

Mycotoxin (Individual)	Result
Aflatoxin B1	BDL
Aflatoxin B2	BDL
Aflatoxin G1	BDL
Aflatoxin G2	BDL
Fumonisin B1	
Fumonisin B2	
Fumonisin B3	
DON	
3 Acetyl DON	
15 Acetyl DON	
T-2	
HT-2	

\*The transition from yellow (middle) ring to red (outer) ring indicates increasing potential severity, mapped from concern level to Rock River Laboratory upper levels



BDL - Below Detectable Limit

**\*\*Note:** The table lists maximum concentrations for the total diet. These values were summarized from the literature cited below and conservatively chosen to represent the lowest values recommended without causing animals harm. Measured toxin is likely not the only type of toxin present in a sample; multiple toxins (including those not measured or masked toxins) may interact to further impact health and performance.

### References

- Whitlow, L.W. and W.M. Hagler, Jr. 2006. Mold and Mycotoxin Issues in Dairy Cattle: Effects, Prevention and Treatment. CA Chapter ARPAS Cont. Ed. Conf. 2006.
- Whitlow, L.W., 2020. Personal communication.
- Adams, R.S. K.B. Kephard, V.A. Ishler, L.J. Hutchinson, and G.W. Roth. Mold and Mycotoxin problems in livestock feeding. Penn State College of Agr. Sciences Coop. Extension article.
- The Mycotoxin Blue Book. 2005. Nottingham University Press, Nottingham, United Kingdom. Duarte Diaz, Editor.