

Certificate of Analysis

Client: Zen Honeycutt
 Sample Description: Food-Cereals
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Received Date: 20250513
 Sampling Date: 20250609
 Report Date: 20250619

Sample ID	S12673		S12674		S12675		S12676		S12677		S12678		S12679	
Sample Discription	Green Wise- Apple Cinnamon Oatmeal- Organic USA; 4141517505		Kashi- Cinnamon Harvest- Organic USA; 186271150		Kashi- Cocoa Clusters- Organic USA; 1862711548		Cascadian Farm - Cinnamon Crunch Cereal, Whole grain with real Cinnamon- Organic USA; 2190845556		Cascadian Farm - Honey Nut Cereal- Organic USA; 2190845559		Natures -sunrise crunchy vanilla - Gluten Free-organic USA; 5844977155		Green Wise- Corn Flakes Cereal- Organic USA; 4141517005	
Minerals	Analysis As received	Analysis Dry basis	Analysis As received	Analysis Dry basis	Analysis As received	Analysis Dry basis	Analysis As received	Analysis Dry basis	Analysis As received	Analysis Dry basis	Analysis As received	Analysis Dry basis	Analysis As received	Analysis Dry basis
Moisture (%)	7.06	0.00	7.57	0.00	4.23	0.00	3.26	0.00	4.37	0.00	5.18	0.00	4.72	0.00
Dry Matter (%)	92.94	100.00	92.43	100.00	95.77	100.00	96.74	100.00	95.63	100.00	94.82	100.00	95.28	100.00
Crude Protein (%)	8.20	8.80	9.90	10.80	8.90	9.30	7.40	7.70	8.70	9.10	6.20	6.50	6.20	6.50
Crude Fiber (%)	1.60	1.80	1.90	2.10	1.20	1.30	5.60	5.70	1.50	1.50	1.20	1.20	0.60	0.70
Total Digestible Nutrinets (%)	75.90	81.60	72.00	77.90	76.30	79.70	78.60	81.20	75.10	78.50	75.50	79.60	77.10	81.00
Net energy Maint (MCal/cwt)	83.93	90.30	78.72	85.16	83.92	87.63	86.84	89.77	82.33	86.10	83.03	87.56	85.20	89.42
Net energy Gain (MCal/cwt)	56.43	60.72	52.03	56.29	55.95	58.42	58.29	60.28	54.60	57.10	55.34	58.37	57.13	59.96
Net energy Lact (MCal/cwt)	79.14	85.16	74.86	80.99	79.47	82.98	81.96	84.72	78.17	81.75	78.64	82.93	80.45	84.44
Nitrogen Free Extract (%)	78.10	84.10	75.60	81.80	77.20	80.60	71.70	74.10	80.30	84.00	83.00	87.50	87.00	91.30
Calcium (%)	0.09	0.10	0.10	0.11	0.10	0.10	0.10	0.10	0.13	0.14	0.09	0.09	0.10	0.10
Phosphorus (%)	0.27	0.29	0.30	0.33	0.21	0.22	0.15	0.16	0.26	0.28	0.16	0.17	0.05	0.05
Potassium (%)	0.31	0.34	0.39	0.42	0.24	0.25	0.22	0.23	0.30	0.31	0.23	0.25	0.12	0.12
Magnesium (%)	0.10	0.11	0.12	0.13	0.10	0.10	0.10	0.10	0.09	0.10	0.09	0.09	0.10	0.10
Zinc (ppm)	17.70	19.10	18.50	20.00	21.70	22.60	11.40	11.80	14.70	15.30	11.30	12.00	4.00	4.20
Iron (ppm)	24.00	26.00	15.00	17.00	282.00	294.00	15.00	16.00	16.00	16.00	2.00	2.00	1.00	1.00
Manganese (ppm)	22.00	24.00	27.00	30.00	17.00	18.00	17.00	18.00	16.00	17.00	6.00	7.00	0.00	0.00
Copper (ppm)	2.20	2.30	2.00	2.40	2.30	2.40	1.70	1.70	2.10	2.10	0.90	0.90	1.00	1.00
Sulfur (%)	0.12	0.13	0.12	0.13	0.13	0.13	0.10	0.10	0.12	0.13	0.09	0.09	0.10	0.10
Sodium (%)	0.19	0.21	0.10	0.11	0.28	0.29	0.41	0.42	0.43	0.45	0.45	0.47	0.27	0.28
Molybdenum (ppm)	1.22	1.31	1.66	1.80	2.18	2.28	0.46	0.48	0.92	0.96	0.38	0.40	0.33	0.34
Fat (Oil), (%)	3.40	3.60	0.90	1.00	2.90	3.10	7.20	7.50	1.00	1.00	1.00	1.00	0.70	0.80
Ash (%)	1.59	1.71	4.04	4.37	5.48	5.72	4.82	4.98	4.17	4.36	3.51	3.70	0.76	0.80

Released on Behalf of Health Research Institute by



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