

Technical Data Sheet

VERSION	1.9
ISSUE DATE	October 6 th 2017

CODE	ORB003
PRODUCT	ORGANIC CACAO BEANS
PLANT PART USED	Bean
VEGAN	Yes
CERTIFIED ORGANIC	Yes
VARIETY	Criollo
REGION	San Martin, Peru
PACKING	5 Kg Bags x 4 = 20 kg/ Box - 42 Boxes / Skid.

Physical Characteristics

	SPECIFICATIONS	REFERENTIAL METHOD
Appearance	Cacao Bean	Visual
Color	Brown	Visual
Odor	Characteristic to cacao	Organoleptic
Taste	Characteristic to cacao	Organoleptic



Microbiological & Heavy Metal Characteristics

<u>Test</u>	<u>Test Result</u>	<u>Method</u>
<u>Sugars</u>	<u>0.65%</u>	<u>HPLC-RI</u>
<u>Sucrose</u>	<u>0.31%</u>	<u>HPLC-RI</u>
<u>Lactose</u>	<u>0.00%</u>	<u>HPLC-RI</u>
<u>Maltose</u>	<u>0.00%</u>	<u>HPLC-RI</u>
<u>Fructose</u>	<u>0.34%</u>	<u>HPLC-RI</u>
<u>Galactose/Glucose</u>	<u>0.00%</u>	<u>HPLC-RI</u>
<u>Calcium</u>	<u>267 mg</u>	<u>ICP-MS</u>
<u>Sodium</u>	<u>62.0 mg</u>	<u>ICP-MS</u>
<u>Iron</u>	<u>4.00 mg</u>	<u>ICP-MS</u>
<u>Potassium</u>	<u>1046 mg</u>	<u>ICP-MS</u>
<u>Saturated Fatty Acids</u>	<u>18.80%</u>	<u>AOAC 996.06</u>
<u>Trans-Fatty Acids</u>	<u>0.00%</u>	<u>AOAC 996.06</u>
<u>Fat, Total</u>	<u>28.60%</u>	<u>AOAC Solvent Extraction</u>
<u>Moisture</u>	<u>6.34%</u>	<u>Oven-Drying at 105 C</u>
<u>Protein</u>	<u>12.30%</u>	<u>AOAC 981.10/993.13</u>
<u>Ash</u>	<u>3.37%</u>	<u>AOAC 923.03</u>
<u>Vitamin D</u>	<u>Not Detected (DL</u>	<u>HPLC-UV</u>
	<u><0.1ppm)</u>	
<u>Cholesterol</u>	<u>0.00 mg</u>	<u>AOAC 994.10</u>
<u>Dietary Fibre, Total</u>	<u>39.80%</u>	<u>AOAC 992.16/985.29</u>
<u>Carbohydrates, Total</u>	<u>64.70%</u>	<u>Calculation</u>
<u>Calories, Total</u>	<u>428 kcal</u>	<u>Calculation</u>
<u>Pesticide Residues</u>	<u><MRL See Attached</u>	<u>USP <561></u>
<u>Arsenic</u>	<u><0.01 ppm</u>	<u>ICP-MS</u>
<u>Cadmium</u>	<u>0.176 ppm</u>	<u>ICP-MS</u>
<u>Lead</u>	<u><0.005 ppm</u>	<u>ICP-MS</u>
<u>Mercury</u>	<u><0.005 ppm</u>	<u>ICP-MS</u>
<u>1. Total Plate Count</u>	<u>46000 CFU/g</u>	<u>USP <2021/2022></u>
<u>2. Yeast & Mold</u>	<u><10 CFU/g</u>	<u>USP <2021/2022></u>
<u>3. S. aureus</u>	<u>Negative</u>	<u>USP <2021/2022></u>
<u>4. E. coli</u>	<u>Negative</u>	<u>USP <2021/2022></u>
<u>5. Salmonella</u>	<u>Negative</u>	<u>USP <2021/2022></u>

Pesticides Residues

<u>Substance Name</u>	<u>CAS Number</u>	<u>Molecular Weight</u>	<u>Residue Limit, mg/kg</u>	<u>Result</u>
Acephate	30560-19-1	183.17	0.1	< MRL
Alachlor	15972-60-8	269.77	0.05	< MRL
Aldrin & dieldrin (sum of)	309-00-2 & 60-57-1	364.91 & 380.91	0.05	< MRL
Azinphos-ethyl	2642-71-9	345.38	0.1	< MRL
Azinphos-methyl	86-50-0	371.32	1	< MRL
Bromide, inorganic (as bromide ion)	n/a	n/a	125	n/a
Bromophos-ethyl	4824-78-6	394.05	0.05	< MRL
Bromophos-methyl	2104-96-3	366	0.05	< MRL
Bromopropylate	18181-80-1	428.12	3	< MRL
Chlordane (sum of <i>cis</i> -, <i>trans</i> -, & oxychlordane)	57-74-9	n/a	0.05	< MRL
chlorfenvinphos	470-90-6	359.57	0.5	< MRL
Chlorpyrifos-ethyl, Chlorpyrifos-ethyl	39475-55-3	350.59	0.2	< MRL
Chlorpyrifos-methyl, Chlorpyrifos-methyl	5598-13-0	322.53	0.1	< MRL
Chlorthal-dimethyl	1861-32-1	331.96	0.01	< MRL
Cyfluthrin (sum of), Baythroid	68359-37-5	434.29	0.1	< MRL
Cyhalothrin-λ	91465-08-6	449.85	1	< MRL
Cypermethrin & isomers (sum of)	52315-07-8	416.3	1	< MRL
DDT (sum of <i>o,p'</i> -DDE, <i>p,p'</i> -DDE, <i>o,p'</i> -DDT, <i>p,p'</i> -DDT, <i>o,p'</i> -TDE, & <i>p,p'</i> -TDE)	50-29-3	354.49	1	< MRL
Deltamethrin	52918-63-5	505.2	0.5	< MRL
Diazinon	333-41-5	304.35	0.5	< MRL
Dichlofluanid	1085-98-9	333.23	0.1	< MRL
Dichlorvos	62-73-7	220.98	1	< MRL
Dicofol	115-32-2	370.49	0.5	< MRL
Dimethoate & omethoate (sum of)	60-51-5 & 1113-02-6	229.26 & 213.19	0.1	< MRL

Dithiocarbamates (expressed as CS ₂) see Note 2)	n/a	n/a	2	n/a
Endosulfan (sum of isomers & endosulfan sulphate)	115-29-7	406.93	3	< MRL
Endrin	72-20-8	380.91	0.05	< MRL
Ethion	563-12-2	384.48	2	< MRL
Etrimphos	38260-54-7	292.29	0.05	< MRL
Fenchlorophos (sum of fenchlorophos & fenchlorophos-oxon)	299-84-3	321.55	0.1	< MRL
Fenitrothion	122-14-5	277.23	0.5	< MRL
Fenpropathrin	39515-41-8	349.42	0.03	< MRL
Fensulfothion (sum of fensulfothion, fensulfothion-oxon, -oxonsulfon, & -sulfon)	115-90-2	308.35	0.05	< MRL
Fenthion (sum of fenthion, fenthion-oxon, -oxon-sulfon, -oxon-sulfoxod, -sulfon, & -sulfoxid)	55-38-9	278.33	0.05	< MRL
Fenvalerate	51630-58-1	419.9	1.5	< MRL
Flucythrinate	70124-77-5	451.46	0.05	< MRL
Fluvalinate- τ	102851-06-9	502.91	0.05	< MRL
Fonophos, Fonofos	944-22-9	246.33	0.05	< MRL
Heptachlor (sum of heptachlor, <i>cis</i> -heptachlorepoxyde, & <i>trans</i> -heptachlorepoxyde)	76-44-8	n/a	0.05	< MRL
Hexachlorbenzene	118-74-1	284.78	0.1	< MRL
Hexachlorocyclohexane (sum of α -, β -, δ -, & ϵ -), BHC	608-73-1	290.83	0.3	< MRL
Lindan (γ -hexachlorocyclohexane), gamma-BHC	58-89-9	290.83	0.6	< MRL
Malathion & malaaxon (sum of)	121-75-5 & 1634-78-2	330.36 & 314.29	1	< MRL
Mecarbam	2595-54-2	329.37	0.05	< MRL
Methacriphos, Methacrifos	62610-77-9	240.21	0.05	< MRL

Methamidophos	10265-92-6	141.13	0.05	< MRL
Methidathion	950-37-8	302.33	0.2	< MRL
Methoxychlor	72-43-5	345.65	0.05	< MRL
Mirex	2385-85-5	545.54	0.01	< MRL
Monocrotophos	6923-22-4	223.16	0.1	< MRL
Parathion (Parathion-ethyl) & paraoxon-ethyl (sum of)	56-38-2 & 311-45-5	291.26 & 275.20	0.5	< MRL
Parathion-methyl & paraoxon-methyl (sum of)	298-00-0 & 950-35-6	263.21 & 247.14	0.2	< MRL
Pendimethalin	40487-42-1	281.31	0.1	< MRL
Pentachloranisole, Pentachloroanisole	1825-21-4	280.36	0.01	< MRL
Permethrin and isomers (sum of)	52645-53-1	391.29	1	< MRL
Phosalone	2310-17-0	367.81	0.1	< MRL
Phosmet	732-11-6	317.32	0.05	< MRL
Piperonyl butoxide	1951-03-06	338.44	3	< MRL
Pirimiphos-ethyl	23505-41-1	333.39	0.05	< MRL
Pirimiphos-methyl (sum of pirimiphos-methyl & N-desethyl-pirimiphos-methyl)	29232-93-7 & 67018-59-1	305.33 & 277.28	4	< MRL
Procymidone	32809-16-8	284.14	0.1	< MRL
Profenophos, Profenofos	41198-08-7	373.63	0.1	< MRL
Prothiophos, Prothiofos	34643-46-4	345.25	0.05	< MRL
Pyrethrum (sum of cinerin I, cinerin II, jasmolin II, pyrethrin I, and pyrethrin II)	8003-34-7	n/a	3	< MRL
Quinalphos	13593-03-8	298.3	0.05	< MRL
Quintozene (sum of quintozene, pentachloroaniline, and methyl pentachlorophenyl sulfide)	82-68-8, 527-20-8 & 1825-19-0	295.33, 265.35 & 296.43	1	< MRL
S-421	127-90-2	377.74	0.02	< MRL
Tecnazene	117-18-0	260.89	0.05	< MRL
Tetradifon	116-29-0	356.05	0.3	< MRL
Vinclozolin	50471-44-8	286.11	0.4	< MRL

* Pesticides analysis are performed once a year at minimum.

* This analysis has an additional cost, if required for each lot.

Nutritional Information (100g)

Nutrition Facts	
Per 1 serving (100 g)	
Calories 430	% Daily Value* % valeur quotidienne*
Fat / Lipides 13 g	17%
Saturated / saturés 19 g	95%
+ Trans / trans 0 g	
Carbohydrate / Glucides 65 g	
Fibre / Fibres 40 g	143%
Sugars / Sucres 1 g	1%
Protein / Protéines 12 g	
Cholesterol / Cholestérol 0 mg	
Sodium 60 mg	3%
Potassium 1050 mg	22%
Calcium 270 mg	21%
Iron / Fer 4 mg	22%
* 5% or less is a little , 15% or more is a lot * 5% ou moins c'est peu , 15% ou plus c'est beaucoup	

Packing Characteristics

Primary Packaging: Double layered Polyethylene Bag. X 5 kg. - 4 Bags / Box

Secondary Packaging: Carton Box – 05 kg (45 cm x 34 cm x 24 cm)



Pallet Sizes

Of Boxes/ Pallet: 42

Pallet Weight: 840 Kg



Labelling

Labels include the organic certification symbols, unit weight, case weight, product name, product code, lot number, and Country of origin. Customer skew #, and expiration date available upon request.



Shelf Life

24 months, if the package is stored and sealed at ambient temperature.

Storage

Store in a cool and dry place and without strong odours.

Store away from heat and direct exposure to sunlight.

Temperature 18-25°C and relative humidity between 50-65%

GMO Declaration

Product does not contain genetically modified material.

Declaration on the content of allergens

The product is free of allergens (In raw material, finished product, machinery of diverse areas)

Vegan Declaration

The product is 100% vegan.

Contact Information

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