

## Technical Data Sheet

VERSION	2.4
ISSUE DATE	October 6 <sup>th</sup> 2017

CODE	ORB035
<b>PRODUCT</b>	<b>ORGANIC CACAO POWDER</b>
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 Or 25 Kg Sacks X 25 kg/Sack. – 40 Boxes / Skid

### Physical Characteristics

	SPECIFICATIONS	REFERENTIAL METHOD
Appearance	Fine Powder	Visual
Color	Brown	Visual
Odor	Characteristic to cacao	Organoleptic
Taste	Characteristic to cacao	Organoleptic



### Microbiological & Heavy Metal Characteristics

<b>Test</b>	<b>Test Result</b>	<b>Method</b>
Sugars	0.26%	HPLC-RI
Sucrose	0.00%	HPLC-RI
Lactose	0.00%	HPLC-RI
Maltose	0.26%	HPLC-RI
Fructose	0.00%	HPLC-RI
Galactose/Glucose	0.00%	HPLC-RI
Calcium	455 mg	ICP-MS
Sodium	144 mg	ICP-MS
Iron	9.82 mg	ICP-MS
Potassium	1874 mg	ICP-MS
Saturated Fatty Acids	5.99%	AOAC 996.06
Trans-Fatty Acids	0.00%	AOAC 996.06
Fat, Total	11.00%	AOAC Solvent Extraction
Moisture	2.33%	Oven-Drying at 105 C
Protein	25.10%	AOAC 981.10/993.13
Ash	6.37%	AOAC 923.03
Vitamin D	Not Detected (DL<0.1ppm)	HPLC-UV
Cholesterol	0.00 mg	AOAC 994.10
Dietary Fibre, Total	33.10%	AOAC 992.16/985.29
Carbohydrates, Total	55.20%	Calculation
Calories, Total	420 Kcal	Calculation
Pesticide Residues	<MRL See Attached	USP <561>
Arsenic	<0.03 ppm	ICP-MS
Cadmium	1.23 ppm	ICP-MS
Lead	0.08 pm	ICP-MS
Mercury	<0.02 ppm	ICP-MS

1. Total Plate Count	<10 CFU/g	USP <2021/2022>
2. Yeast & Mold	<10 CFU/g	USP <2021/2022>
3. S. aureus	Negative	USP <2021/2022>
4. E. coli	Negative	USP <2021/2022>
5. Salmonella	Negative	USP <2021/2022>

### Pesticides Residues

<b>Substance Name</b>	<b>CAS Number</b>	<b><u>Molecular Weight</u></b>	<b><u>Residue Limit, mg/kg</u></b>	<b>Result</b>
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) see Note 1)	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 <sub>2</sub> ) 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- $\tau$	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 $\alpha$ -, $\beta$ -, $\delta$ -, & $\epsilon$ -), BHC	608-73-1	290.83	0.3	< MRL
Lindan ( $\gamma$ -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

Pentachloranisol, 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 & <i>N</i> -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, pentachloraniline, 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)

<b>Nutrition Facts</b>	
100 servings per container	
<b>Serving size</b>	1 serving (100 g)
Amount per serving	
<b>Calories</b>	<b>420</b>
% Daily Value*	
Total Fat 11g	17%
Saturated Fat 6g	30%
Trans Fat 0g	
Cholesterol 0mg	0%
Sodium 140mg	6%
Total Carbohydrate 55g	18%
Dietary Fiber 33g	132%
Total Sugars 0g	
Includes 0g Added Sugars	0%
Protein 25g	
Vitamin D 0mcg	0%
Calcium 460mg	46%
Iron 10mg	56%
Potassium 1870mg	53%
<small>The % Daily Value tells you how much a nutrient in a serving * of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.</small>	

### Packing Characteristics

*Primary Packaging:* Double layered Polyethylene Bag. X 25 kg. - 1 Bags / Sack.

*Secondary Packaging:* Sack.

OR

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

*Secondary Packaging:* Carton Box – 20 kg (45 cm x 34 cm x 24 cm)



## Pallet Sizes

# of Boxes: 42

or

# of Jute Sacks: 40

Pallet Weight: 840 (boxes) or 1,000 kg (jute sacks)

## 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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