

Technical Data Sheet

VERSION	2.1
ISSUE DATE	May 2018

CODE	ORB027
PRODUCT	ORGANIC CACAO NIBS
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 or 48 Boxes / Skid.

Physical Characteristics

	SPECIFICATIONS	REFERENTIAL METHOD
Appearance	Broken up cacao beans.	Visual
Color	Brown	Visual
Odor	Characteristic to cacao	Organoleptic
Taste	Characteristic to cacao	Organoleptic



Microbiological Characteristics

<u>Test</u>	<u>Test Result</u>	<u>Method</u>
Sugars	0.68%	HPLC-RI
Sucrose	0.33%	HPLC-RI
Lactose	0.00%	HPLC-RI
Maltose	0.00%	HPLC-RI
Fructose	0.35%	HPLC-RI
Galactose/Glucose	0.00%	HPLC-RI
Calcium	203 mg	ICP-MS
Sodium	64.0 mg	ICP-MS
Iron	3.20 mg	ICP-MS
Potassium	815 mg	ICP-MS
Saturated Fatty Acids	11.30%	AOAC 996.06
Trans-Fatty Acids	0.00%	AOAC 996.06
Fat, Total	22.50%	AOAC Solvent Extraction
Moisture	2.31%	Oven-Drying at 105 C
Protein	12.80%	AOAC 981.10/993.13
Ash	5.12%	AOAC 923.03
Vitamin D	Not Detected (DL < 0.1ppm)	HPLC-UV
Cholesterol	0.00 mg/100 g	AOAC 994.10
Dietary Fibre, Total	37.70%	AOAC 992.16/985.29
Carbohydrates, Total	57.30%	Calculation
Calories, Total	483 Kcal/100g	Calculation
Pesticide Residues	Meets USP requirement - See Below	USP <561>
1. Total Plate Count	50 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>

Heavy Metal Characteristics

Heavy Metal	Units	Results
Arsenic (As)* (LC: 0,1)	mg/kg	< 0,1
Cadmium (Cd)* (LC: 0,002)	mg/kg	0,088
Mercury (Hg)* (LC: 0,005)	mg/kg	< 0,005
Lead (Pb)* (LC: 0,032)	mg/kg	0,218

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)	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 & malaoxon (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)

Nutrition Facts	
100 servings per container	
Serving size	1 serving (100 g)
Amount per serving	
Calories	480
% Daily Value*	
Total Fat 23g	35%
Saturated Fat 11g	55%
Trans Fat 0g	
Cholesterol 0mg	0%
Sodium 65mg	3%
Total Carbohydrate 57g	19%
Dietary Fiber 38g	152%
Total Sugars 1g	
Includes 0g Added Sugars	0%
Protein 13g	
Vitamin D 0mcg	0%
Calcium 200mg	20%
Iron 3mg	17%
Potassium 820mg	23%
<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 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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