



Aryan Food Ingredients Limited

Certificate of Analysis

Product Name	Organic Vitamin B Complex (Plant Source Blend)	Nature of product	Powder
Botanical Name	Guava Fruit(<i>Psidium guajava</i>), Spirulina algal cells(<i>Arthrospira platensis</i>), Chlorella whole cells(<i>Chlorella vulgaris</i>), <i>Saccharomyces cerevisiae</i> yeast cells, Mango Fruit(<i>Mangifera indica</i>), Sprouted Mung bean (<i>Vigna angularis</i>), Lemon Peel(<i>Citrus limon</i>), Holy Basil Leaf(<i>Ocimum sanctum</i>)	Origin	India
Batch no.	ARY/O/18186	Manufacturing Date	07/01/2022
Batch Qty	25kg	Expiry date	06/01/2024
Product Code	ORGVIT106	HS Code	

Testing parameters

Physical Parameters			
Items	Specification	Method	Results
Appearance	Fine powder	Organoleptic	Complies
Odor	Characteristic	Organoleptic	Complies
Color	Light Green Color	Organoleptic	Complies
Analytical Quality			
Sieve analysis	90% through 60 mesh	Sieve	Complies
Moisture (w/w)	< 10.0%	In House	6.0%
Ash (w/w)	< 5.0%	In House	2.1%
Acid insoluble ash(w/w)	<2.4%	In House	0.7%
Bulk Density	30-60 g/100mL	In House	Complies
Assay(Each one gram contains)			
Thiamine (B1)	NLT 20mg	EASI-CHE-SOP-70, LC-UV	22.1mg
Riboflavin (B2)	NLT 20mg	BS EN 14152:2003	21.1mg
Niacin (B3)	NLT 40mg	BS EN 15652:2009	40.8mg
Pantothenic Acid (B5)	NLT 38mg	EASI-CHE-SOP-20, LC-MS/MS	38.8mg
Pyridoxine (B6)	NLT 20mg	BS EN 14164:2008	20.8mg
Biotin (B7)	NLT 600mcg	EASI-CHE-SOP-70.LC-UV	620.2mcg
Folic Acid (B9)	NLT 800mcg	EASI-CHE-SOP-71, LC-UV	851.7mcg
Methylcobalamin (B12)	NLT 20mcg	AOAC 2011.09	20.4mcg
Heavy Metals			
Arsenic	Max 1.1 ppm	ICP-OES	B.L.Q
Cadmium	Max 1.0 ppm	ICP-OES	B.L.Q
Lead	Max 2.5 ppm	ICP-OES	B.L.Q
Mercury	Max 0.1 ppm	ICP-OES	B.L.Q
Contaminants			

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AflatoxinB1	≤2ppb	EASI-CHE-SOP-18	Complies
AflatoxinB2	≤2ppb	EASI-CHE-SOP-18	Complies
AflatoxinG1	≤2ppb	EASI-CHE-SOP-18	Complies
AflatoxinG2	≤2ppb	EASI-CHE-SOP-18	Complies
Ethylene Oxide	≤0.01mg/kg	EKA-CHE-SOP-053(By GC-MS)	Complies
Pesticides Residues	Organic Requirements	EKA-CHE-SOP-030(By LC-MSMS &GC-MSMS)	Complies
Microbiological			
Total Plate count/g	<10000 CFU/g	ISO 4833-1-2013	<1000 CFU/g
Yeast & moulds/g	<100 CFU/g	ISO 21527-2:2008	<100 CFU/g
Coliform/g	<10 CFU/g	ISO 4832:2006	<10 CFU/g
Escherichia coli(/25g)	Negative	ISO 16649-2-2001	Negative
Salmonella(/25g)	Negative	ISO 6579-1:2017/AMD 1:2020	Negative

Note: B.L.Q – Below Limit of Quantification, Limit of Quantification: 0.05mg/kg for Heavy Metals

Packing and Storage

Store in sealed containers at cool & dry place to protect from light moisture and pest infestation

Appearance

This is a natural product and there may be color variations from lot to lot due to crop fluctuations from harvest to harvest.

Shelf life

24 months under the conditions above and in its original packaging

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