

Company	Kirkman	Manufacture Date	5/14/2024
Product	P2i Prenatal Multivitamin & Mineral	Bulk Lot Number	879-0002
Master Formula Reference	MP879	Expiration Date	05/26
Bottle Product Code	0879-120		

PHYSICAL PROPERTIES

Test Description	Specification	Result	Method
Color	Lt Gray with Dark Brown Specks	Complies	Organoleptic - House
Capsule Description	#1 Vegetable Capsule	Complies	House
Average Total Capsule Weight	544 mg (+/- 10%)	561.0 mg	USP <2091>

HEAVY METAL PROPERTIES

Test Description	Specification	Result	Method
	< mcg / serving	mcg / serving	
Aluminum	4286	11.784	ICP-MS
Antimony	0.5	<0.02	ICP-MS
Arsenic	0.1	0.03	ICP-MS
Barium	140	0.65	ICP-MS
Beryllium	0.1	<0.02	ICP-MS
Cadmium	4	0.3	ICP-MS
Chromium	29	2.4	ICP-MS
Cobalt	100	0.5	ICP-MS
Copper	500	0.3	ICP-MS
Lead	0.5	0.03	ICP-MS
Manganese	3000	2	ICP-MS
Mercury	0.3	<0.01	ICP-MS
Molybdenum	250	<0.22	ICP-MS
Nickel	60	0.7	ICP-MS
Palladium	10	<0.02	ICP-MS
Platinum	10	<0.01	ICP-MS
Selenium	250	<0.45	ICP-MS
Silver	10	<0.02	ICP-MS
Thallium	2	<0.02	ICP-MS
Tungsten	10	<0.02	ICP-MS
Tin	250	0.05	ICP-MS
Uranium	5	0.4	ICP-MS
Vanadium	100	0.7	ICP-MS
Zinc	35000	20000	ICP-MS

PESTICIDE AND CHEMICAL TOXIN PROPERTIES

Test Description	Method=LC-MS		Test Description	Method=LC-MS	
	Specification	Result		Specification	Result
Acephate	<0.050 mg/kg	Non-Detect	Lufenuron	<0.050 mg/kg	Non-Detect
Acetamiprid	<0.050 mg/kg	Non-Detect	Malthion	<0.050 mg/kg	Non-Detect
Aldicarb	<0.050 mg/kg	Non-Detect	Mandipropamid	<0.050 mg/kg	Non-Detect
Amidosulfuron	<0.050 mg/kg	Non-Detect	Mepanipyrim	<0.050 mg/kg	Non-Detect
Azinphos-ethyl (Guthion ethyl)	<0.050 mg/kg	Non-Detect	Metaflumizone	<0.050 mg/kg	Non-Detect
Azoxystrobin	<0.050 mg/kg	Non-Detect	Metalaxyl	<0.050 mg/kg	Non-Detect
Bifenazate (D2341)	<0.050 mg/kg	Non-Detect	Metamitron	<0.050 mg/kg	Non-Detect
Bifenthrin	<0.050 mg/kg	Non-Detect	Methamidophos	<0.050 mg/kg	Non-Detect
Bitertanol	<0.050 mg/kg	Non-Detect	Methiocarb (Mercaptodimethur)	<0.050 mg/kg	Non-Detect
Boscalid (Nicobifen)	<0.050 mg/kg	Non-Detect	Methomyl	<0.050 mg/kg	Non-Detect
Buprofezin	<0.050 mg/kg	Non-Detect	Methoxyfenozide	<0.050 mg/kg	Non-Detect
Butocarboxim	<0.050 mg/kg	Non-Detect	Metrafenone	<0.050 mg/kg	Non-Detect
Carbaryl	<0.050 mg/kg	Non-Detect	Mevinphos (Phosdrin) I	<0.050 mg/kg	Non-Detect
Carbendazim (Azole)	<0.050 mg/kg	Non-Detect	Mevinphos (Phosdrin) II	<0.050 mg/kg	Non-Detect
Chlorantraniliprole	<0.050 mg/kg	Non-Detect	Mexacarbate	<0.050 mg/kg	Non-Detect
Chloridazon (Pyrazon)	<0.050 mg/kg	Non-Detect	Monocrotophos (Azodrin)	<0.050 mg/kg	Non-Detect
Chlorpyrifos	<0.050 mg/kg	Non-Detect	Myclobutanil	<0.050 mg/kg	Non-Detect
Chlorsulfuron	<0.050 mg/kg	Non-Detect	Novaluron	<0.050 mg/kg	Non-Detect
Clofentezin	<0.050 mg/kg	Non-Detect	Omethoate	<0.050 mg/kg	Non-Detect
Clomazone	<0.050 mg/kg	Non-Detect	Oxamyl	<0.050 mg/kg	Non-Detect
Coumaphos	<0.050 mg/kg	Non-Detect	Paclobutrazol	<0.050 mg/kg	Non-Detect
Cymoxanil (Curzate)	<0.050 mg/kg	Non-Detect	Phenmedipham	<0.050 mg/kg	Non-Detect

Cyprodinil	<0.050 mg/kg	Non-Detect	Phosalone	<0.050 mg/kg	Non-Detect
DEET (Diethyltoluamide)	<0.050 mg/kg	Non-Detect	Phosmet (Imidan)	<0.050 mg/kg	Non-Detect
Desmedipham	<0.050 mg/kg	Non-Detect	Phosphamidon	<0.050 mg/kg	Non-Detect
Diazinon (Dimpylate)	<0.050 mg/kg	Non-Detect	Pirimicarb	<0.050 mg/kg	Non-Detect
Dichlorvos	<0.050 mg/kg	Non-Detect	Pirimiphos-methyl	<0.050 mg/kg	Non-Detect
Difenoconazole	<0.050 mg/kg	Non-Detect	Promecarb	<0.050 mg/kg	Non-Detect
Diflubenzuron	<0.050 mg/kg	Non-Detect	Propamocarb	<0.050 mg/kg	Non-Detect
Dimethoate	<0.050 mg/kg	Non-Detect	Propargite	<0.050 mg/kg	Non-Detect
Dimethomorph I	<0.050 mg/kg	Non-Detect	Propiconazole	<0.050 mg/kg	Non-Detect
Dimethomorph II	<0.050 mg/kg	Non-Detect	Propoxur	<0.050 mg/kg	Non-Detect
Dimoxystrobin	<0.050 mg/kg	Non-Detect	Proquinazid	<0.050 mg/kg	Non-Detect
Diniconazole	<0.050 mg/kg	Non-Detect	Pymetrozine	<0.050 mg/kg	Non-Detect
Dinotefuran	<0.050 mg/kg	Non-Detect	Pyraclostrobin	<0.050 mg/kg	Non-Detect
Ethion	<0.050 mg/kg	Non-Detect	Pyridaben	<0.050 mg/kg	Non-Detect
Ethirimol	<0.050 mg/kg	Non-Detect	Pyrimethanil	<0.050 mg/kg	Non-Detect
Ethofumesate	<0.050 mg/kg	Non-Detect	Rimsulfuron	<0.050 mg/kg	Non-Detect
Ethoprop (Ethoprophos)	<0.050 mg/kg	Non-Detect	Rotenone	<0.050 mg/kg	Non-Detect
Ethoxyquin	<0.050 mg/kg	Non-Detect	Spinosad-Spinosyn A	<0.050 mg/kg	Non-Detect
Etofenprox	<0.050 mg/kg	Non-Detect	Spinosad-Spinosyn D	<0.050 mg/kg	Non-Detect
Fenazaquin	<0.050 mg/kg	Non-Detect	Spirodiclofen	<0.050 mg/kg	Non-Detect
Fenhexamid	<0.050 mg/kg	Non-Detect	Spiromesifen	<0.050 mg/kg	Non-Detect
Fenobucarb (Baycarb)	<0.050 mg/kg	Non-Detect	Spirotetramat	<0.050 mg/kg	Non-Detect
Fenoxycarb	<0.050 mg/kg	Non-Detect	Spiroxamine I	<0.050 mg/kg	Non-Detect
Fenpyroximate (E)	<0.050 mg/kg	Non-Detect	Spiroxamine II	<0.050 mg/kg	Non-Detect
Fipronil	<0.050 mg/kg	Non-Detect	Tebufenozide	<0.050 mg/kg	Non-Detect
Flonicamid	<0.050 mg/kg	Non-Detect	Tebufenpyrad	<0.050 mg/kg	Non-Detect
Fludioxonil	<0.050 mg/kg	Non-Detect	Tebuthiuron	<0.050 mg/kg	Non-Detect
Fluopicolide	<0.050 mg/kg	Non-Detect	Teflubenzuron	<0.050 mg/kg	Non-Detect
Fluoxastrobin	<0.050 mg/kg	Non-Detect	Tetraconazole	<0.050 mg/kg	Non-Detect
Flutriafol	<0.050 mg/kg	Non-Detect	Thiabendazole	<0.050 mg/kg	Non-Detect
Fuberidazole	<0.050 mg/kg	Non-Detect	Thiacloprid	<0.050 mg/kg	Non-Detect
Hexaconazole	<0.050 mg/kg	Non-Detect	Thiamethoxam	<0.050 mg/kg	Non-Detect
Hexythiazox	<0.050 mg/kg	Non-Detect	Thifensulfuron-methyl (DPX-M6316)	<0.050 mg/kg	Non-Detect
Imazalil (Enilconazole)	<0.050 mg/kg	Non-Detect	Tralkoxydim	<0.050 mg/kg	Non-Detect
Imidacloprid	<0.050 mg/kg	Non-Detect	Trichlorfon (DEP)	<0.050 mg/kg	Non-Detect
Indoxacarb	<0.050 mg/kg	Non-Detect	Tricyclazole	<0.050 mg/kg	Non-Detect
Ipconazole	<0.050 mg/kg	Non-Detect	Trifloxystrobin	<0.050 mg/kg	Non-Detect
Kresoxim methyl	<0.050 mg/kg	Non-Detect	Triticonazole	<0.050 mg/kg	Non-Detect
Linuron	<0.050 mg/kg	Non-Detect	Zoxamide	<0.050 mg/kg	Non-Detect

ALLERGEN PROPERTIES

Test Description	Specification	Result	Method
Milk	<9 ppm	<9 ppm	3M Allergen-Protein Rapid Test Kit (PRTK)
Eggs	<0.5 ppm	<0.5 ppm	3M Allergen-PRTK
Fish	<2 ppm	<2 ppm	3M Allergen-PRTK
Shellfish (crustacean)	<10 ppm	<10 ppm	Allergen-LFD (Romer)
Tree Nuts (Almond)	<2 ppm	<2 ppm	3M Allergen-PRTK
Tree Nuts (Coconut)	<2 ppm	<2 ppm	3M Allergen-PRTK
Tree Nuts (Walnut)	<4 ppm	<4 ppm	3M Allergen-PRTK
Peanuts	<2 ppm	<2 ppm	3M Allergen-PRTK
Wheat	<10 ppm	<10 ppm	3M Allergen-PRTK
Soy	<4 ppm	<4 ppm	3M Allergen-PRTK
Sesame	<5 ppm	<5 ppm	Allergen-LFD (Romer)

BIOLOGICAL PROPERTIES

Test Description	Specification	Result	Method
Total Plate Count	≤1,000 cfu/g	<10 cfu/g	FDA-BAM 3.01 8th Ed.
Total Yeast and Mold	≤100 cfu/g	<10Y / <10M cfu/g	AOAC 2014.05
Bile Tolerant Gram Negative	≤100 cfu/g	<10 cfu/g	USP NF <61> <2021>
E. Coli	Negative in 10g	Negative in 10g	USP NF <62> <2022>
Pseudomonas aeruginosa	Negative in 10g	Negative in 10g	USP NF 25 <62> Modified
Salmonella	Negative in 10g	Negative in 10g	USP <62> <2022>
Staphylococcus aureus	Negative in 10g	Negative in 10g	USP <62> <2022>
Coliforms	≤100 cfu/g	<10 cfu/g	AOAC 991.14
Listeria	Negative in 25g	Negative in 25g	AOAC 2013.10

CHEMICAL PROPERTIES

Ingredients (per 4 Capsule)	Label Claim	Specification	Result	Method
Vitamin A (as Beta-Carotene)	770 mcgRAE	693.0 - 1651.7 mcgRAE	1132.0 mcgRAE	HPLC

Vitamin C (as Ascorbic Acid)	85 mg	76.5 - 133.9 mg	92.0 mg	SOP QC
Vitamin D (as Cholecalciferol)	50 mcg	45.0 - 115.5 mcg	72.2 mcg	SOP QC
Vitamin E (as Alpha-Tocopherol)(Sunflower)	25 mg	22.5 - 51.5 mg	26.6 mg	SOP QC
Vitamin K (as Phytonadione)	90 mcg	81.0 - 322.2 mcg	201.4 mcg	SOP QC
Vitamin B1 (as Mononitrate)	1.4 mg	1.3 - 2.5 mg	1.6 mg	HPLC
Vitamin B2 (as Riboflavin & Riboflavin 5-Phosphate)	1.4 mg	1.3 - 2.3 mg	1.6 mg	SOP QC
Vitamin B3 (as Niacinamide)	18 mgNE	16.2 - 28.4 mgNE	19.5 mgNE	SOP QC
Vitamin B6 (as Pyridoxal-5-Phosphate)	1.9 mg	1.7 - 3.1 mg	2.2 mg	SOP QC
Folate (as 6S/L-5-MTHF Calcium) DFE	800 mcgDFE	720.0 - 1560.0 mcgDFE	862.0 mcgDFE	HPLC
Vitamin B12 (as Methylcobalamin)	6 mcg	5.4 - 12.6 mcg	8.7 mcg	SOP QC
Biotin	30 mcg	27.0 - 54.0 mcg	27.1 mcg	HPLC
Choline (from Bitartrate)	450 mg	405.0 - 708.8 mg	487.3 mg	SOP QC
Calcium (from Carbonate)	100 mg	90.0 - 125.0 mg	103.1 mg	SOP QC
Iron (from Bisglycinate Chelate)	17 mg	15.3 - 21.7 mg	17.9 mg	SOP QC
Iodine (from Potassium Iodide)	150 mcg	135.0 - 405.0 mcg	232.0 mcg	SOP QC
Zinc (From Citrate Dihydrate)	15 mg	13.5 - 19.1 mg	15.8 mg	SOP QC
Other Ingredients: Vegetarian Capsule (hypromellose and water), Microcrystalline Cellulose				

This quality control analytical report reflects reports by our supplier(s) and/or independent laboratories. This product has been manufactured in accordance with the master formulation listed above and in compliance with the customer specifications. The records were reviewed and found to be in compliance with cGMP.

Analyzed by: Purity Laboratories	Date of analysis: 6/6/2024
Released by: Quality Assurance Specialist: <i>April L. Stuart</i>	Date of release: <i>9.13.24</i>