



Certificate of Analysis

Product Name:	Vitamin D, Echinacea & Zinc Gummy	Lot Number:	63971-1
Manufacture Date:	03/2022	Expiration Date:	03/2024
Form:	Gummy	Shape:	Berry
Color:	Red	Flavor:	Mixed-berry
Average Weight:	3.0 g/gummy	Coating:	Sugar
Bottle Size:	250 cc	Bottle Color:	White
Lid Size:	45 mm CRC	Lid Color:	White
Shrink:	83 mm Translucent	Count per Unit:	60 gummies

LABEL CLAIM SPECIFICATIONS

Active Ingredient	Label Claim Per gummy	Specification per gummy (≥90%)	% Found*	Method
Vitamin D3 (as cholecalciferol)	25 mcg	≥22.5 mcg	100%	HPLC
Zinc (as zinc citrate)	25 mg	≥22.5 mg	100%	ICP-MS
<i>Echinacea purpurea</i> Extract (flower)[Standardized to 4% Polyphenols]	2 mg	≥1.8 mg	100%	HPLC
Other Ingredients: Glucose syrup, sugar, water, citrus pectin, black carrot concentrate, citric acid, trisodium citrate, natural mixed berry flavor.				

*Verified by Raw Material Testing and Process Manufacturing (SOP 1.9, 1.6)

MICROORGANISM TEST RESULTS

Test	Specification	Method	Result
Total Aerobic Plate Count	<10 ⁷ cfu/g	USP <2021>	PASS
Yeast and Mold	<10 ⁵ cfu/g	USP <2021>	PASS
Enterobacteriaceae	<10 ⁴ cfu/g	USP <2021>	PASS
Escherichia coli	Negative	USP <2022>	PASS
Salmonella spp.	Negative	USP <2022>	PASS
Staphylococcus aureus	Negative	USP <2022>	PASS

HEAVY METALS TEST RESULTS

Test	Specification	Method	Result
Cadmium	<4.1 mcg/daily dose	ICP-MS	PASS
Arsenic	<10 mcg/daily dose	ICP-MS	PASS
Lead	<2.75 mcg/daily dose	ICP-MS	PASS
Mercury	<10 mcg/daily dose	ICP-MS	PASS

Note: Testing is certified under subcontracted laboratory's ISO 17025 accreditation.

Released by:  QA/QC Department	Date: 02/03/2023
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