

Certificate of Analysis

QUALITY CONTROL LABORATORY ANALYTICAL REPORT

Date: February 23, 2024

Product: Ca-Strong Calcium Amino Acid Chelate Film Tablets

Product Code: 400715

Lot No.: 42312125 Manufacture Date: Dec. 08, 2023

Active Ingredients *Base on Input	per unit	Result
Calcium Amino Acid Chelate (Containing Calcium 200.00 mg)	625.00 mg	*
Magnesium Oxide (Containing 60.32% Magnesium)	165.80 mg	*
Zinc HVP Chelate (Containing 30% Zinc)	10.00 mg	*
Copper (II) HVP Chelate (Containing 10% Copper)	10.00 mg	*
Manganese (II) HVP Chelate (Containing 20% Manganese)	10.00 mg	*
Vitamin D3 (Cholecalciferol)(Potency: 100,000 IU/g, 100.00 IU = 1.00 mg) (Composition: Acacia Gum---38%, Sucrose---38%, Corn Starch---16.05%, Medium Chain Triglycerides---7.5%, Vitamin D3---0.25%, dl- α -Tocopherol---0.2%)	1.00 mg	*
Vitamin K2 (Menaquinone) (Composition: Vitamin K2---0.2%, Acacia Gum---75.3%, Sunflower Oil---24%, L-Ascorbyl Palmitate---0.5%)	100.00 mcg	*
Boron Citrate (Containing 5% Boron)	100.00 mcg	*

Excipients: Microcrystalline Cellulose, Corn Starch, Cross-Linked Sodium Carboxymethyl Cellulose, Hydroxypropyl Methylcellulose, Silicon Dioxide, Magnesium Stearate, Titanium Dioxide

Chemical /Physical Analysis

ITEM	SPECIFICATION	RESULT	METHODS
Appearance	White film coated oval tablet	Conforms	Visual
Average Tablet Weight	1311.554 mg (90% to 110%)	1294.250 mg	USP <2091>
Weight Variation	Meets USP Requirements	Conforms	USP <2091>
Disintegration	NMT 60 minutes	56 mins 47 sec	USP <2040>
Hardness	NLT 15 kp	33.8 kp	Pharma Test
Friability	NMT 1%	0%	USP <1216>
Heavy Metals*			
Arsenic	NMT 0.14 mcg/kg b.w./day	Conforms	ICP
Cadmium	NMT 0.09 mcg/kg b.w./day		
Lead	NMT 0.14 mcg/kg b.w./day		
Mercury	NMT 0.29 mcg/kg b.w./day		

Microbiological Analysis

ITEM	SPECIFICATION	RESULT	METHODS
Total Aerobic Count	< 1000 cfu/g	Conforms	USP <2021>
Total Combined Mold and Yeasts Count	< 100 cfu/g	Conforms	USP <2021>
E. coli	Negative	Negative	USP <2022>
Salmonella spp.	Negative	Negative	USP <2022>

Staphylococcus aureus	Negative	Negative	USP <2022>
Pseudomonas aeruginosa	Negative	Negative	USP <62>



Quality Control

02/23/2024

Date

Certificate of Analysis

QUALITY CONTROL LABORATORY ANALYTICAL REPORT

Date: July 06, 2023 Product: Ca-Strong Calcium Amino Acid Chelate Film Tablets
 Product Code: 400715 Lot No.: 42302129 Manufacture Date: May 09, 2023

Active Ingredients **Base on Input*

	per unit	Result
Calcium Amino Acid Chelate (Containing Calcium 200.00 mg)	625.00 mg	*
Magnesium Oxide (Containing 60.32% Magnesium)	165.80 mg	*
Zinc HVP Chelate (Containing 30% Zinc)	10.00 mg	*
Copper (II) HVP Chelate (Containing 10% Copper)	10.00 mg	*
Manganese (II) HVP Chelate (Containing 20% Manganese)	10.00 mg	*
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Boron Citrate (Containing 5% Boron)	100.00 mcg	*

Excipients: *Microcrystalline Cellulose, Corn Starch, Cross-Linked Sodium Carboxymethyl Cellulose, Hydroxypropyl Methylcellulose, Silicon Dioxide, Magnesium Stearate, Titanium Dioxide*

Chemical /Physical Analysis

ITEM	SPECIFICATION	RESULT	METHODS
Appearance	White film coated oval tablet	Conforms	Visual
Average Filling Weight	1311.554 mg (90% to 110%)	1308.950 mg	USP <2091>
Weight Variation	Meets USP Requirements	Conforms	USP <2091>
Disintegration	NMT 60 minutes	56 min 34 sec	USP <2040>
Hardness	NLT 15 kp	20.2 kp	USP <1217>
Friability	NMT 1%	0%	USP <1216>
Heavy Metals*			
Arsenic	NMT 0.14 mcg/kg b.w./day	Conforms	ICP
Cadmium	NMT 0.09 mcg/kg b.w./day		
Lead	NMT 0.14 mcg/kg b.w./day		
Mercury	NMT 0.29 mcg/kg b.w./day		

Microbiological Analysis

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Total Aerobic Count	< 1000 cfu/g	Conforms	USP <2021>
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Salmonella spp.	Negative	Negative	USP <2022>
Staphylococcus aureus	Negative	Negative	USP <2022>
Pseudomonas aeruginosa	Negative	Negative	USP <62>

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Quality Control**07/06/2023**_____
Date