

Certificate of Analysis

QUALITY CONTROL LABORATORY ANALYTICAL REPORT

Date: May 17, 2024 Product: Ca+ Much No.2 Chelated Release Film Tablets
 Product Code: 400582 Lot No.: 42403129 Manufacture Date: May. 10, 2024

Active Ingredients <i>*Base on Input</i>	per unit	Result
Calcium Citrate (Containing 21.1% Calcium)	1,421.80 mg	*
Magnesium HVP Chelate (Containing 22% Magnesium)	682.00 mg	*
Zinc HVP Chelate (Containing 20% Zinc)	10.00 mg	*
Copper (II) HVP Chelate (Containing 10% Copper)	10.00 mg	*
Manganese (II) HVP Chelate (Containing 20% Manganese)	10.00 mg	*
Casein Phosphopeptides	2.00 mg	*
Vitamin D3 (Cholecalciferol), (100,000 IU/g, 100.00 IU = 1.00mg) (Acacia Gum---38%, Sucrose---38%, Corn Starch---16.05%, Medium Chain Triglycerides---7.5%, Vitamin D3---0.25%, D1-alpha Tocopherol---0.2%)	1.00 mg	*
Vitamin K2 (Menaquinone)	100.00 mcg	*

Excipients: Microcrystalline Cellulose, Hydroxypropyl Methylcellulose, Silicon Dioxide, Magnesium Stearate, Titanium Dioxide

Chemical /Physical Analysis

ITEM	SPECIFICATION	RESULT	METHODS
Appearance	White Coated Oval Shaped Tablets 9.53 x 22.23mm with "VIVA"	Conforms	Visual
Average Filling Weight	2069.977 mg ±10 %	2008.300 mg	USP <2091>
Weight Variation	Meets USP Requirements	Conforms	USP <2091>
Disintegration	NMT 60 minutes	24min 16sec	USP <2040>
Hardness	NLT 15 kp	32.1 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

05/17/2024

Date

Certificate of Analysis

QUALITY CONTROL LABORATORY ANALYTICAL REPORT

Date: April 27, 2023 Product: Ca+ Much No.2 Chelated Release Film Tablets
Product Code: 400582 Lot No.: 42303122 Manufacture Date: Apr. 14, 2023

Active Ingredients <i>*Base on Input</i>	per unit	Result
Calcium Citrate (Containing 21.1% Calcium)	1,421.80 mg	*
Magnesium HVP Chelate (Containing 22% Magnesium)	682.00 mg	*
Zinc HVP Chelate (Containing 20% Zinc)	10.00 mg	*
Copper (II) HVP Chelate (Containing 10% Copper)	10.00 mg	*
Manganese (II) HVP Chelate (Containing 20% Manganese)	10.00 mg	*
Casein Phosphopeptides	2.00 mg	*
Vitamin D3 (Cholecalciferol), (100,000 IU/g, 100.00 IU = 1.00mg) (Acacia Gum---38%, Sucrose---38%, Corn Starch---16.05%, Medium Chain Triglycerides---7.5%, Vitamin D3---0.25%, D1-alpha Tocopherol---0.2%)	1.00 mg	*
Vitamin K2 (Menaquinone)	100.00 mcg	*

Excipients: *Microcrystalline Cellulose, Hydroxypropyl Methylcellulose, Silicon Dioxide, Magnesium Stearate, Titanium Dioxide*

Chemical /Physical Analysis

ITEM	SPECIFICATION	RESULT	METHODS
Appearance	White Coated Oval Shaped Tablets 9.53 x 22.23mm with "VIVA"	Conforms	Visual
Average Filling Weight	1966.063 mg \pm 10%	1999.300mg	USP <2091>
Weight Variation	Meets USP Requirements	Conforms	USP <2091>
Disintegration	NMT 60 minutes	59 min 12 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

04/27/2023

Date

Certificate of Analysis

QUALITY CONTROL LABORATORY ANALYTICAL REPORT

Date: October 19, 2022 Product: Ca+ Much No.2 Chelated Release Film Tablets
 Product Code: 400582 Lot No.: 42207138 Manufacture Date: Sep. 26, 2022

Active Ingredients **Base on Input*

	per unit	Result
Calcium Citrate (Containing 21.1% Calcium)	1,421.80 mg	*
Magnesium HVP Chelate (Containing 22% Magnesium)	682.00 mg	*
Zinc HVP Chelate (Containing 20% Zinc)	10.00 mg	*
Copper (II) HVP Chelate (Containing 10% Copper)	10.00 mg	*
Manganese (II) HVP Chelate (Containing 20% Manganese)	10.00 mg	*
Casein Phosphopeptides	2.00 mg	*
Vitamin D3 (Cholecalciferol), (100,000 IU/g, 100.00 IU = 1.00mg) (Acacia Gum---38%, Sucrose---38%, Corn Starch---16.05%, Medium Chain Triglycerides---7.5%, Vitamin D3---0.25%, D1-alpha Tocopherol---0.2%)	1.00 mg	*
Vitamin K2 (Menaquinone)	100.00 mcg	*

Excipients: *Microcrystalline Cellulose, Hydroxypropyl Methylcellulose, Silicon Dioxide, Magnesium Stearate, Titanium Dioxide*

Chemical /Physical Analysis

ITEM	SPECIFICATION	RESULT	METHODS
Appearance	White Coated Oval Shaped Tablets 9.53 x 22.23mm with "VIVA"	Conforms	Visual
Average Filling Weight	1966.063 mg ± 10%	2008.110 mg	USP <2091>
Weight Variation	Meets USP Requirements	Conforms	USP <2091>
Disintegration	NMT 60 minutes	53min 26sec	USP <2040>
Hardness	NLT 15 kp	34 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

10/19/2022

Date

Certificate of Analysis

QUALITY CONTROL LABORATORY ANALYTICAL REPORT

Date: November 15, 2021 Product: Ca+ Much No.2 Chelated Release Film Tablets
 Product Code: 400582 Lot No.: 42109131 Manufacture Date: Sep 30, 2021

Active Ingredients <i>*Base on Input</i>	per unit	Result
Calcium Citrate (Containing 21.1% Calcium)	1,421.80 mg	*
Magnesium HVP Chelate (Containing 22% Magnesium)	682.00 mg	*
Zinc HVP Chelate (Containing 20% Zinc)	10.00 mg	*
Copper (II) HVP Chelate (Containing 10% Copper)	10.00 mg	*
Manganese (II) HVP Chelate (Containing 20% Manganese)	10.00 mg	*
Casein Phosphopeptides	2.00 mg	*
Vitamin D3 (Cholecalciferol), (100,000 IU/g, 100.00 IU = 1.00mg) (Acacia Gum---38%, Sucrose---38%, Corn Starch---16.05%, Medium Chain Triglycerides---7.5%, Vitamin D3---0.25%, D1-alpha Tocopherol---0.2%)	1.00 mg	*
Vitamin K2 (Menaquinone)	100.00 mcg	*

Excipients: *Microcrystalline Cellulose, Hydroxypropyl Methylcellulose, Silicon Dioxide, Magnesium Stearate, Titanium Dioxide*

Chemical /Physical Analysis

ITEM	SPECIFICATION	RESULT	METHODS
Appearance	White Coated Oval Shaped Tablets 9.53 x 22.23mm with "VIVA"	Conforms	Visual
Average Filling Weight	1966.063 mg \pm 10%	2085.900 mg	USP <2091>
Weight Variation	Meets USP Requirements	Conforms	USP <2091>
Disintegration	NMT 60 minutes	7min 19sec	USP <2040>
Hardness	NLT 15 kp	32 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		

*Based on average body weight: 70 kg; Dosage: 1 Softgel/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

11/15/2021

Date

Certificate of Analysis

QUALITY CONTROL LABORATORY ANALYTICAL REPORT

Date: Mar. 08, 2021

Product: Ca+ Much No.2 Chelated Release Film Tablets

Product Code: 400582-06

Lot No.: 42010126

Manufacture Date: Oct. 29, 2020

Active Ingredients

INGREDIENTS	SPECIFICATION	RESULT
Calcium Citrate (23% Calcium)	1,304.35 mg	*
HVP Chelated Magnesium (22% Magnesium)	682.00 mg	*
Zinc Chelated From HVP (10% Zinc)	20.00mg	*
Copper Chelated From HVP (10% Copper)	10.00mg	*
Manganese Chelated From HVP (20% Manganese)	10.00mg	*
Casein Phospho Peptides 20%	10.00mg	*
Vitamin D3	1.00 mg	*
Vitamin K2	100.00mcg	*

Excipients: Silicon Dioxide, Microcrystalline Cellulose, Magnesium Stearate, Hydroxypropyl Methylcellulose, Titanium Dioxide

Chemical/Physical Analysis

ITEM	SPECIFICATION	RESULT	METHOD
Appearance	White Coated Oval Shaped Tablets 9.53 x 22.23mm with "VIVA"	Conforms	Visual
Average Tablet Weight	1966.063 mg/capsule ± 10 %	1936.350 mg/capsule	USP <2091>
Weight Variation	Meets USP Requirements	Conforms	USP <2091>
Disintegration	NMT 60 minutes	35min 36sec	USP <2040>
Hardness	NLT 15 kp	31 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		

*Based on average body weight: 70 kg; Dosage: 1 tablet/day



Quality Control Department

Certificate of Analysis

QUALITY CONTROL LABORATORY ANALYTICAL REPORT

Date: Mar. 08, 2021

Product: Ca+ Much No.2 Chelated Release Film Tablets

Product Code: 400582-06

Lot No.: 42010126

Manufacture Date: Oct. 29, 2020

Microbiological Analysis

ITEM	SPECIFICATION	RESULT	METHOD
Total Aerobic Count	< 1000 cfu/g	Conforms	USP <2021>
Total Combined Molds and Yeasts Count	< 100 cfu/g	Conforms	USP <2021>
<i>E. coli</i>	Negative	Negative	USP <2022>
<i>Salmonella</i> spp	Negative	Negative	USP <2022>
<i>Staphylococcus aureus</i>	Negative	Negative	USP <2022>
<i>Pseudomonas aeruginosa</i>	Negative	Negative	USP <62>



Quality Control Department

Certificate of Analysis

QUALITY CONTROL LABORATORY ANALYTICAL REPORT

Date: August 18, 2020 Product: Ca+ Much No.2 Chelated Release Film Tablets
 Product Code: 4HH014 Lot No.: 42007001 Manufacture Date: June 26, 2020

Active Ingredients <i>*Base on Input</i>	per unit	Result
Calcium Citrate (Containing 23% Calcium)	1,304.35 mg	*
Magnesium HVP Chelate (Containing 22% Magnesium)	682.00 mg	*
Zinc HVP Chelate (Contain 10% Zinc)	20.00 mg	*
Copper (II) HVP Chelate (Contain 10% Copper)	10.00 mg	*
Manganese (II) HVP Chelate (Contain 20% Manganese)	10.00 mg	*
Casein Phospho peptides (Containing 20% Casein Phospho peptides)	10.00 mg	*
Vitamin D3 (Cholecalciferol)	1.00 mg	*
Vitamin K2	100.00 mcg	*

Excipient: *Microcrystalline Cellulose, Hydroxypropyl Methylcellulose, Silicon Dioxide, Magnesium Stearate, Titanium Dioxide*

Chemical /Physical Analysis

ITEM	SPECIFICATION	RESULT	METHODS
Appearance	22.23 x 9.25 mm white coated tablets with "VIVA" embossed on top and bisect on bottom	Conforms	Visual
Average Tablet Weight	2025.00 mg/per unit \pm 10%	2055.90 mg/per unit	USP <2091>
Weight Variation	Meet USP requirements	Conforms	USP <2091>
Disintegration	NMT 30 minutes	Conforms	USP <2040>
Heavy metal*			
Arsenic	NMT 0.1 ppm	Conforms	ICP
Cadmium	NMT 0.1 ppm		
Lead	NMT 0.1 ppm		
Mercury	NMT 0.1 ppm		

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

08/18/2020

Date