



CERTIFICATE OF ANALYSIS

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CODE # 140K5902402 PKG LOT# 28680 MFG LOT# 210-28681
 PRODUCT: Trace Mineral Concentrate Citrus Punch SHIP TO: Double Wood LLC
 PACKAGING DATE: 01/06/2023 - 01/09/2023 EXPIRATION DATE: 07/2024
 SERVING SIZE: ½ teaspoon (2.5 ml)

PHYSICAL SPECIFICATIONS:

Appearance:	Transparent Liquid
Color:	Pale Blue
Taste:	Tart Citrus
pH:	3.24
Density:	3.98 kg/gal

INGREDIENT/PARAMETER	LABEL CLAIM	SPECIFICATION RANGE (%):	ASSAY / % FOUND	DATE	METHOD	REFERENCE
Iodine (as potassium iodine)	150mcg	100 - 250	103 %	01/12/2023	MA 150	K000006
Selenium (as sodium selenite)	55mcg	100 - 250	158 %	01/16/2023	ICP-OES	123431-01
Cooper (as copper citrate)	0.9 mg	100 - 250	103 %	01/16/2023	ICP-OES	123431-01
Manganese (as manganese gluconate)	2.3 mg	100 - 250	100 %	01/16/2023	ICP-OES	123431-01
Chromium (as Chromax® chromium picolinate)	35 mcg	100 - 250	105 %	01/16/2023	ICP-OES	123431-01
Trade Mineral Blend (12+ Trace Minerals)	100 mg	100 - 250	Not Tested ²	N/A	N/A	N/A
Boron (as boron citrate)	1 mg	100 - 450	112 %	01/16/2023	ICP-OES	123431-01
Ingredients:	Listed	N/A	N/A	N/A	N/A	N/A
Purified water, vegetable glycerin, natural flavors, potassium sorbate(preservative), sodium benzoate(preservative), xanthan gum and steviol glycoside.						

¹As per Celmark SOP QC-006, rotational testing program is utilized to evaluate dietary ingredients for supplements that contain multiple dietary ingredients. Per cGMP requirements, each raw material input during manufacturing is verified by the manufacturing blender and operator as well as the Quality Control Department upon release of the bulk product prior to packaging. In-process monitoring, and final yield calculations also ensure that the raw materials are present in the finished product, and that the finished product is not adulterated or modified during packaging.

²Per 21 CFR 111.75 4.D.1 Ingredient is exempted from testing as there is no scientifically valid method for testing of the material at the finished product stage. Per Celmark International's cGMP programs, each raw material is qualified upon receipt, and each raw material input during manufacturing is verified by the manufacturing blender and operator as well as the Quality Control Department upon release of the bulk product. In process monitoring and final yield calculations also ensure that the raw materials are present in the finished product, and that the finished product is not adulterated or modified during packaging. Celmark International will continue to evaluate new methodologies for testing as they become available.

³Due to known instability of ascorbic acid in aqueous solution, assay value can fluctuate.

ANNUAL CONTAMINANTS

ELEMENTS	LIMITS	RESULT	METHOD REFERENCE	DATE:	REFERENCE
Arsenic	< 15 µg/day	< 0.0026 µg/day	ICP/MS USP<730>	01/16/2023	12343-01
Cadmium	< 5 µg/day	0.1314 µg/day			
Lead	< 5 µg/day	0.0736 µg/day			
Mercury	< 15 µg/day	0.2339 µg/day			
Based on ½ teaspoon (2.5 mL) serving taken daily					

MICROBIOLOGICAL RESULTS

TEST	SPECIFICATION	RESULT	REFERENCE	DATE
Aerobic Plate Count	NMT 3,000 cfu/g	<10 cfu/g	01-10	01/12/2023
Yeast & Mold	NMT 300 cfu/g	<10 cfu/g		01/16/2023
Total Coliform	NMT 2 cfu/g	< 2 cfu/g		01/10/2023
<i>S. aureus</i>	Absent in 1 g of sample	Absent		01/11/2023
<i>P. aeruginosa</i>	Absent in 1 g of sample	Absent		01/11/2023
<i>E. coli</i>	Absent in 25g of sample	Absent		01/10/2023
<i>Salmonella</i>	Absent in 25g of sample	Absent		01/10/2023



 QUALITY APPROVAL

01/17/2023

 DATE