



Certificate of Analysis

Name: HS Plus Mango Melon
WIP No: 493063

Supplement: 170014, 170114, 120321, 170139
Item No: 78212

Description: A pectin-based sports chew in a custom hexagon shape, fortified with caffeine, potassium, sea salt, and tricalcium phosphate.

Storage Conditions: 45-75°F 40-60% Relative Humidity

Classification: Food

SCN Supplier Lot No: 3051778, 191118-03, A073979, 33619ADBAA

Shelf Life: 18 months (Stability in progress)

Manufacture date: 10/12/2020

Serving Size (pcs): 7 (50g)

SCN Lot No: FL0L02

Expiration Date: 2022, APR 12

Physical/Chemical Characteristics	Specification	Method	Results
Piece Weight	7.1 ± 0.7g	SCN QAL1012	7.1 g
Water Activity	<0.75	SCN QAL0919	0.64
Package Solids	79.0-86.0%	SCN QAL1101	81.7%

Active Ingredient	Label Claim/Serving	Release Limits/Serving	Method	Results
Caffeine	75 mg	75-181 mg	HPLC	Conforms*
Sodium (Sea Salt)	160 mg	160-492 mg	ICP-ES/ICP-MS	Conforms*
Potassium (Potassium Citrate)	50 mg	50-168 mg	ICP-ES/ICP-MS	Conforms*
Calcium (Tricalcium Phosphate)	20 mg	20-27 mg	ICP-ES/ICP-MS	Conforms*

Heavy Metal†	Specification	Method	Results
Lead	NMT 0.5 mcg/day	ICP-MS	Conforms*
Arsenic	NMT 10 mcg/day	ICP-MS	Conforms*
Cadmium	NMT 4.1 mcg/day	ICP-MS	Conforms*
Total Mercury	NMT 2 mcg/day‡	ICP-MS	Conforms*
Methyl Mercury	NMT 2 mcg/day	ICP-MS	Conforms*

† Specifications based on Prop 65 except Total Mercury and Methyl Mercury based on USP<2232>

‡ Total Mercury limit set at Methyl Mercury limit

Microbiological	Specification	Method	Results
Total Plate Count	<2000 cfu/g	USP	Conforms*
Yeast & Mold	<200 cfu/g	USP	Conforms*
Salmonella	Absent/10g	USP	Conforms*
E. coli	Absent/10g	USP	Conforms*
Staph. aureus	Absent/10g	USP	Conforms*

Gluten Free	Specification	Method	Results
Gluten	< 10 ppm	G12 Antibody-Lateral Flow	<10 ppm

*Results typical per dietary supplement testing, addition and verification of ingredients.

Santa Cruz Nutritionals certifies that this product lot was manufactured, tested, packaged and stored in accordance with Good Manufacturing Practice (cGMP). The testing of the finished product has been performed by a validated laboratory with approved and validated analytical methods.

Santa Cruz Nutritional Quality Assurance
2200 Delaware Avenue
Santa Cruz, CA 95060
(831) 457-3257

11/4/2020
Date

Rev: 01
Effective Date: 5/16/2020