

GFB Multi Vegan SF Gummy Bear 60ct

Certificate of Analysis

Customer: GF Bonn GmbH
Manufacturing date: 01/2024
Expiry date : 09/2025

Batch size: 5,136 bottles
PO No.: GFB#1
Batch: 40193

	Release specification	Test method	Batch values
General Characters			
Appearance of product	Oiled fruit gum	In-house	Complies
Shape	Bear shape	In-house	Complies
Color	Orange, Red, Purple	In-house	Complies
Taste	Orange, Raspberry, Blueberry	In-house	Complies
Smell	Fruity	In-house	Complies
Consistency	Chewy	In-house	Complies
Uniformity of weight	2g +/- 15%; max 5% 2g +/- 20%	In-house	Complies
Pieces per bottle	60ct (+ max 10%)	In-house	Complies

Assay of nutrients	Release specification (per 1x2g=2g)	Test method	Batch values (per 1x2g=2g)
Vitamin A (as Retinyl palmitate)¹	200 – 301 µg RE	HPLC	262 µg
Vitamin D3 (as Cholecalciferol)¹	5.0 – 7.6 µg	LC-MS/MS	6.6 µg
Vitamin E (as DL-alpha-Tocopheryl acetate)	6.0 – 9.1 mg α-TE	HPLC	Not inspected
Vitamin C (as Ascorbic acid)	30 – 52 mg	HPLC	Not inspected
Niacin (as Niacinamide)	8.0 – 12 mg NE	HPLC / LC-MS/MS	Not inspected
Vitamin B6 (as Pyridoxine hydrochloride)¹	0.70 – 1.1 mg	HPLC / LC-MS/MS	0.9 mg
Folic Acid	100 – 171 µg	LC-MS/MS	Not inspected
Vitamin B12 (as Cyanocobalamin)	1.25 – 2.0 µg	Microbiology / LC-MS/MS	Not inspected
Biotin (as D-Biotin)	25.0 – 41.3 µg	LC-MS/MS	Not inspected

¹tracer for release of batches

Microbiological purity	Release specification	Test method	Batch values
TAMC	≤ 10 ⁴ cfu/g	EP	< 10 cfu/g
TYMC	≤ 10 ² cfu/g	EP	< 10 cfu/g
Bile-tolerant gram-negative bacteria	≤ 10 ² cfu/g	EP	< 10 ² cfu/g
Escherichia coli	Absent in 1g	EP	In 1g not detected
Salmonella spp.	Absent in 25g	EP	In 25g not detected
Staphylococcus aureus	Absent in 1g	EP	In 1g not detected

Contaminants	Release specification	Test method	Batch values
Lead	≤ 3.0 ppm	ICP-MS	< 0.01 ppm
Mercury	≤ 0.1 ppm	ICP-MS	< 0.01 ppm
Cadmium	≤ 1.0 ppm	ICP-MS	< 0.01 ppm
Arsenic	≤ 1.0 ppm	ICP-MS	< 0.10 ppm

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Special requirement	Release specification	Test method	Batch values
Gluten	≤ 20 ppm	ELISA	< 4.0 ppm
Sugars (glucose, sucrose and maltose)	< 100 ppm	IC / enzymatic	< 100 ppm

Pesticides	Release specification	Test method	Batch values
Pesticides SGS spectrum 600+ including acidic Herbicides	Complies with MRL values	DIN EN 15662 (ASU L00.00-115)	Complies

We hereby certify that the above mentioned batch has been manufactured, packaged and quality control analyzed in fully compliance with the Specifications and Applicable Law.

Released:

Blocked:

Date: 14.02.2024

Signature: _____

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