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EVALUATION REPORT

Send To: C0846550

Huel Ltd
Unit 6 Icknield Way, Icknield industrial Estate
Tring, Hertfordshire HP23 4RN
United Kingdom

Facility: C0846551

Result	**PASS**	Report Date	24-MAR-2025
Customer Name	Huel Ltd		
Tested To	NSF 229		
Trade Designation	Black Edition Chocolate		
Test Type	Qualification		
Job Number	J-00522871		
Lot Number	_		
Project Number	W0971370		
Project Manager			

Thank you for having your product tested by NSF.

Please contact your Project Manager if you have any questions or concerns pertaining to this report.

Report Authorization **Date** 24-MAR-2025

Please see page 9 in the test report for text relevant to lead and Proposition 65 warning requirements.

General Information

Guideline: NSF 229

DCC Number: FC01871

Lot#: _

Physical Description of Sample: Powder

Test Description: Initial Label Claim Testing

Trade Designation / Product ID: Black Edition Chocolate

This finished product was evaluated per category "Finished products containing Botanical extract / Other dietary supplement ingredient" for microbial contaminants as stated in Standard NSF/ANSI 173 for Dietary Supplements.

Sample Id: **S-0002195182**
Description: Black Edition Chocolate | Powder
Sampled Date: 02/25/2025
Received Date: 02/25/2025

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
General Information						
* Dietary Supplements Lab Summary Test Code						
Mass per Serving	90	grams				
Servings per daily dose	1					
Lot Number	B25035B02					
Expiration Date	02/2027					
Contaminants						
* Residual Solvents in Dietary Supplements by GCMS						
Nitromethane	ND(45)	ug/day			500 ug/day	Pass
Formic acid	ND(4500)	ug/day			50000 ug/day	Pass
2-Methoxyethanol	ND(45)	ug/day			500 ug/day	Pass
Acetic acid	ND(4500)	ug/day			50000 ug/day	Pass
2-Ethoxyethanol	ND(140)	ug/day			1600 ug/day	Pass
Ethylene Glycol	ND(560)	ug/day			6200 ug/day	Pass
Formamide	ND(200)	ug/day			2200 ug/day	Pass
N,N-Dimethylformamide	ND(790)	ug/day			8800 ug/day	Pass
N,N-Dimethylacetamide	ND(990)	ug/day			10900 ug/day	Pass
Dimethyl sulfoxide	ND(4500)	ug/day			50000 ug/day	Pass
N-Methylpyrrolidone	ND(480)	ug/day			5300 ug/day	Pass
Sulfolane	ND(140)	ug/day			1600 ug/day	Pass
* Residual Solvents in Dietary Supplements by Headspace-GCMS						
Methanol	ND(2700)	ug/day			30000 ug/day	Pass
Pentane	ND(4500)	ug/day			50000 ug/day	Pass
Ethanol	ND(4500)	ug/day			50000 ug/day	Pass
Ethyl ether	ND(4500)	ug/day			50000 ug/day	Pass
1,1-Dichloroethene	ND(7.2)	ug/day			8 ug/day	Pass
Acetone	ND(4500)	ug/day			50000 ug/day	Pass
Ethyl formate	ND(4500)	ug/day			50000 ug/day	Pass
2-Propanol	ND(4500)	ug/day			50000 ug/day	Pass
Acetonitrile	ND(370)	ug/day			4100 ug/day	Pass
Methyl acetate	ND(4500)	ug/day			50000 ug/day	Pass
Methylene Chloride	ND(540)	ug/day			6000 ug/day	Pass
tert-Butylmethyl ether	ND(4500)	ug/day			50000 ug/day	Pass
trans-1,2-Dichloroethene	ND(850)	ug/day			18700 ug/day	Pass
Hexane	ND(190)	ug/day			2900 ug/day	Pass
1-Propanol	ND(4500)	ug/day			50000 ug/day	Pass
cis-1,2-Dichloroethene	ND(850)	ug/day			18700 ug/day	Pass

Sample Id: **S-0002195182**

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
Contaminants (Continued)						
Methylethyl ketone	ND(4500)	ug/day			50000 ug/day	Pass
Ethyl acetate	ND(4500)	ug/day			50000 ug/day	Pass
Tetrahydrofuran	ND(660)	ug/day			7200 ug/day	Pass
2-Butanol	ND(4500)	ug/day			50000 ug/day	Pass
Chloroform	ND(54)	ug/day			600 ug/day	Pass
1,1,1-Trichloroethane	ND(9.0)	ug/day			1500 ug/day	Pass
Cyclohexane	ND(3500)	ug/day			38800 ug/day	Pass
Carbon Tetrachloride	ND(3.6)	ug/day			4 ug/day	Pass
Benzene	ND(1.8)	ug/day			2 ug/day	Pass
1,2-Dimethoxyethane	ND(90)	ug/day			1000 ug/day	Pass
1,2-Dichloroethane	ND(4.5)	ug/day			5 ug/day	Pass
2-Methyl-1-propanol	ND(4500)	ug/day			50000 ug/day	Pass
Isopropyl acetate	ND(4500)	ug/day			50000 ug/day	Pass
Heptane	ND(4500)	ug/day			50000 ug/day	Pass
Trichloroethylene	ND(72)	ug/day			800 ug/day	Pass
1-Butanol	ND(4500)	ug/day			50000 ug/day	Pass
Methylcyclohexane	ND(1100)	ug/day			11800 ug/day	Pass
1,4-Dioxane	ND(340)	ug/day			3800 ug/day	Pass
Propyl acetate	ND(4500)	ug/day			50000 ug/day	Pass
Pyridine	ND(180)	ug/day			2000 ug/day	Pass
Methylisobutylketone	ND(4500)	ug/day			50000 ug/day	Pass
Toluene	ND(800)	ug/day			8900 ug/day	Pass
3-Methyl-1-butanol	ND(4500)	ug/day			50000 ug/day	Pass
Isobutyl acetate	ND(4500)	ug/day			50000 ug/day	Pass
1-Pentanol	ND(4500)	ug/day			50000 ug/day	Pass
Methylbutylketone	ND(45)	ug/day			500 ug/day	Pass
Butyl acetate	ND(4500)	ug/day			50000 ug/day	Pass
Chlorobenzene	ND(320)	ug/day			3600 ug/day	Pass
Ethylbenzene	ND(330)	ug/day			21700 ug/day	Pass
m-Xylene	ND(1200)	ug/day			21700 ug/day	Pass
p-Xylene	ND(280)	ug/day			21700 ug/day	Pass
o-Xylene	ND(180)	ug/day			21700 ug/day	Pass
Cumene	ND(63)	ug/day			700 ug/day	Pass
Anisole	ND(4500)	ug/day			50000 ug/day	Pass
Tetralin	ND(90)	ug/day			1000 ug/day	Pass
1,2-Dichloroethene	ND(1700)	ug/day			18700 ug/day	Pass
* Hexavalent Chromium in DS by IC						
Chromium (VI)	ND(1.8)	ug/day			20 ug/day	Pass
* Aflatoxins by HPLC, Performed by NSF approved subcontract laboratory						
Aflatoxin	ND(1.0)	ug/kg			20 ug/kg	Pass
Arsenic in digested solids by ICPMS						
Arsenic	ND(3.6)	ug/day			10 ug/day	Pass
Cadmium in digested solids by ICPMS						
Cadmium	1.5	ug/day			4.1 ug/day	Pass
Lead in digested solids by ICPMS						
Lead	ND(3.6)	ug/day			10 ug/day	Pass
Mercury in digested solids by ICPMS						
Mercury	ND(0.72)	ug/day			2 ug/day	Pass

Sample Id: **S-0002195182**

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
Contaminants (Continued)						
Salmonella species (Ref: USP 2022)						
Salmonella Absent/Present per 10 g	Absent					Pass
*Total Combined Mold and Yeast (Ref: USP 2021 mod. - DYM-109C)						
Yeast and Mold	<1000	CFU/g			1000 CFU/g	Pass
*Escherichia coli presence/absence (Ref: USP 2022 mod. - S2-EC)						
E.coli Absent/Present 10 g	Absent					Pass
*Enterobacteriaceae (Ref: USP 2021 mod.-S2-GN)						
Enterobacteriaceae	<100	CFU/g			100 CFU/g	Pass
*Staphylococcus aureus (Ref: USP 2022 mod. - S2-SA)						
S. aureus Absent/Present per 10 g	Absent					Pass
Label Verification						
*Vitamin K2 (as Menaquinone) by HPLC						
Menaquinone Result	Present					
Menaquinone Label Claim	Present					
Menaquinone Pass/Fail	Pass					
Note: [C0393/2] Testing was performed by an approved NSF subcontract laboratory.						
* Testing performed by Liquid Chromatography						
Total Protein	43	g/serving	40			
Total Protein Comparison Value	40	g/serving	40			
Total Protein Pass/Fail	Pass		40			
* Total Omega 3 Fatty Acids by GC (Quantitative)						
Total Omega 3 Fatty Acids	3700	mg TGE/serving	5500	mg TGE/serving		Pass
Note: [C1274/1] This is a Class II ingredient. The acceptance criteria was adjusted to take into account variation of the method, sample inhomogeneity issues, raw material lot-to-lot differences, and manufacturing variations, as well as risk relative to the parameter being evaluated. The variation of the method was determined to be +/- 20%.						
*Epigallocatechin Gallate HPLC (Quantitative)						
Epigallocatechin Result	Present					
Epigallocatechin Label Claim	Present					
Epigallocatechin Pass/Fail	Pass					
Calcium in digested solids by ICP						
Calcium	280	mg/serving	100	mg/serving		Pass
Magnesium in digested solids by ICP						
Magnesium	110	mg/serving	97	mg/serving		Pass
* Zeaxanthin by HPLC						
Zeaxanthin	0.09	mg/serving	0.1	mg/serving		Pass
Note: [C4073/2] The accepted variation of the result was determined to be +/- 20%, therefore the approval criteria was adjusted to take into account this uncertainty.						
* Lutein by HPLC						
Lutein	1.4	mg/serving	1.2	mg/serving		Pass
Vitamin B1 by LC						
Thiamin	0.31	mg/serving	0.2	mg/serving		Pass
Note: [C4363/2]						

Sample Id: **S-0002195182**

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
Label Verification (Continued)						
Note: [C4363/2] Thiamin results reported from LCMS-MS methodology, not HPLC as indicated in the test code description.						
* Vitamin A Palmitate Assay by HPLC						
Vitamin A (as Palmitate)	220	ug/serving	174	ug/serving		Pass
* Vitamin C Assay by HPLC						
Vitamin C	130	mg/serving	58	mg/serving		Pass
* Vitamin D3 Assay by HPLC						
Total Vitamin D Result	4.3	ug/serving	3.9	ug/serving		
Total Vitamin D Label Claim	3.9	ug/serving	3.9	ug/serving		
Total Vitamin D Pass/Fail	Pass					
Note: [C4407/2] Testing was performed by an approved NSF subcontract laboratory. Both Vitamin D2 and Vitamin D3 contribute to the Vitamin D label claim.						
* Chloride by Potentiometric Method						
Chloride	610	mg/serving	541	mg/serving		Pass
Note: [C4534/2] Testing was performed by an approved NSF subcontract laboratory.						
* Lycopene by HPLC						
Lycopene	1.0	mg/serving	1	mg/serving		Pass
Note: [C4546/2] The variation of the method was determined to be +/- 20%, therefore the acceptance criteria was adjusted to take into account this uncertainty.						
Other						
*Probiotic enumeration - testing performed by NSF approved laboratory						
Claimed CFU/Serving	193000000	CFU/serving				
Actual CFU/Serving	1170000000	CFU/serving				
Minimum Allowed CFU/Serving	61000000	CFU/serving				
*Whole Genome Sequencing - testing performed by NSF approved laboratory						
Organism ID	Bacillus coagulans					
Result	Present					Pass
P/F	Pass					

Sample Id: **S-0002195185**
Description: RM# MCT001INN1
Sampled Date: 02/25/2025
Received Date: 02/25/2025

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
Label Verification						
* Medium Chain Triglycerides by GC (Quantitative)						
Medium Chain Triglycerides Result	Present					
Medium Chain Triglycerides Label Claim	Present					
Medium Chain Triglycerides Pass/Fail	Pass					

Sample Id: **S-0002195186**
Description: RM# GTE001CCL1
Sampled Date: 02/25/2025

Sample Id: **S-0002195186**
Received Date: 02/25/2025

Testing Parameter	Result	Units	Label Claim Value	Units	Accept. Level	P / F
Label Verification						
* Green Tea by TLC						
Green Tea	Present		Present			Pass

Job Notes:

Conformance assessment for:
known adulterants and chemical contaminants (NSF/ANSI 173 and NSF 229 sections 5.3.5 & 7.4) was performed under NSF Deviation #2024-003.
microbial contaminants was performed under NSF Deviation #2024-031.

Testing Laboratories:

	Flag	Id	Address
All work performed at: (Unless otherwise specified)	⟶	NSF_AA	NSF 789 DIXBORO ROAD ANN ARBOR MI 48105

References to Testing Procedures:

NSF Reference	Parameter / Test Description
C0393	*Vitamin K2 (as Menaquinone) by HPLC
C0600	* Testing performed by Liquid Chromatography
C1032	* Dietary Supplements Lab Summary Test Code
C1274	* Total Omega 3 Fatty Acids by GC (Quantitative)
C1287	* Medium Chain Triglycerides by GC (Quantitative)
C1390	*Epigallocatechin Gallate HPLC (Quantitative)
C1421	* Residual Solvents in Dietary Supplements by GCMS
C1422	* Residual Solvents in Dietary Supplements by Headspace-GCMS
C3215	Calcium in digested solids by ICP
C3221	Magnesium in digested solids by ICP
C3251	* Hexavalent Chromium in DS by IC
C4025	* Aflatoxins by HPLC, Performed by NSF approved subcontract laboratory
C4073	* Zeaxanthin by HPLC
C4261	* Lutein by HPLC
C4363	Vitamin B1 by LC
C4405	* Vitamin A Palmitate Assay by HPLC
C4406	* Vitamin C Assay by HPLC
C4407	* Vitamin D3 Assay by HPLC
C4509	* Green Tea by TLC
C4534	* Chloride by Potentiometric Method
C4538	Arsenic in digested solids by ICPMS
C4539	Cadmium in digested solids by ICPMS
C4542	Lead in digested solids by ICPMS
C4546	* Lycopene by HPLC
C4547	Mercury in digested solids by ICPMS
M0341	Salmonella species (Ref: USP 2022)
M0364	*Probiotic enumeration - testing performed by NSF approved laboratory
M0382	*Whole Genome Sequencing - testing performed by NSF approved laboratory
M4097	*Total Combined Mold and Yeast (Ref: USP 2021 mod. - DYM-109C)
M4337	*Escherichia coli presence/absence (Ref: USP 2022 mod. - S2-EC)
M4338	*Enterobacteriaceae (Ref: USP 2021 mod.-S2-GN)
M4340	*Staphylococcus aureus (Ref: USP 2022 mod. - S2-SA)

Test descriptions preceded by an asterisk "*" indicate that testing has been performed per NSF requirements but is not within its scope of accreditation.

Unless otherwise indicated, method uncertainties are not applied in any determinations of conformity. Testing utilizes the requested sections of any referenced standards, which may not be the entire standard.

Dates of Laboratory Activity: 25-FEB-2025 to 24-MAR-2025

Please note that during the testing of the dietary supplement product or ingredient herein, the level of lead and other chemicals of interest may have been measured. The pass/fail criteria for contaminants can be found in the most recent version of NSF/ANSI 173. These limits may conflict with some state level regulations.

If this material is to be sold or distributed in the State of California, consideration should be given if it is necessary to provide a Proposition 65 warning. A full list of the current Proposition 65 Safe Harbor Limits can be found here: http://www.oehha.ca.gov/prop65/getNSRLs.html.