



INTERNATIONAL
ACCREDITATION
SERVICE®

CERTIFICATE OF ACCREDITATION

This is to attest

GENISTA BIOSCIENCES, LLC

5500 HELLYER AVENUE, SUITE 150
SAN JOSE, CALIFORNIA 95138, U.S.A.

Testing Laboratory TL-480

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Expiration Date November 1, 2026

Effective Date January 17, 2026



International Accreditation Service
Issued under the authority of IAS management

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

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GENISTA BIOSCIENCES, LLC

www.genistabio.com

Contact Name Dr. Kumar Kastury

Contact Phone +1-408-375-8356

Accredited to ISO/IEC 17025:2017

Effective Date January 17, 2026

Microbiology	
CMMEF 5 th Ed Chp 25	Alicyclobacillus spp (Real-Time PCR)
FDA BAM Chp 14	Bacillus cereus (Real-Time PCR)
FDA BAM Chp 7 AOAC 012101	Campylobacter coli (Real-Time PCR)
FDA BAM Chp 7 AOAC 012101	Campylobacter jejuni (Real-Time PCR)
FDA BAM Chp 7 AOAC 012101	Campylobacter lari (Real-Time PCR)
FDA BAM Chp 7 AOAC 012101	Campylobacter spp. (Real-Time PCR)
FDA BAM Chp 7 AOAC 012101	Campylobacter upsaliensis (Real-Time PCR)
FDA BAM Chp. 17	Clostridium botulinum (Real-Time PCR)
FDA BAM Appx 1 PCR (BAM Chp 17)	Clostridium difficile (Real-Time PCR)
FDA BAM Appx 1 PCR (BAM Chp 17)	Clostridium spp. (Real-Time PCR)
AOAC 991.14	Coliform/Total Coliforms
FDA BAM Chp 4	Coliform (Real-Time PCR)
FDA BAM Chp 4	E. coli (Real-Time PCR)
FDA BAM Chp 4A AOAC 012102	E. coli O104:H4 (Real-Time PCR)
FDA BAM Chp 4A AOAC 021501 ISO 13136:2012	E. coli O157:H7 (Real-Time PCR)

TL-480

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FDA BAM Chp 4A (Includes stx1, stx2 and eae)	EHEC (Real-Time PCR)
FDA BAM Chp 26B ISO 15216-1	Hepatitis A (Real-Time PCR)
AOAC 041701 CMMEF 5 th Ed Chp 20	Hetero. Lactic Acid Bacteria
AOAC 041701 CMMEF 5 th Ed Chp 20	Lactic Acid Bacteria
FDA BAM Chp 10 AOAC 061302	Listeria monocytogenes (Real-Time PCR)
FDA BAM Chp 10 AOAC 071304	Listeria spp. (Real-Time PCR)
CMMEF 5 th Ed Chp 47	Propionic Acid Bacteria (Real-Time PCR)
Real-Time PCR	Pseudomonas aeruginosa
Real-Time PCR	Pseudomonas spp.
FDA BAM Chp 5:2007	Salmonella entérica (Real-Time PCR)
FDA BAM Chp 5:2007 AOAC 051303	Salmonella spp. (Real-Time PCR)
FDA BAM Chp 6	Shigella spp (Real-Time PCR)
Real-Time PCR	Somatic Cell Count
AOAC 988.18 AOAC 996.23 AOAC 2015.13	Standard Plate Count
FDA BAM Chp 12	Staphylococcus aureus (Real-Time PCR)
FDA BAM Chp 12 & 13B AOAC 052101	Staphylococcus enterotoxin (Real-Time PCR)
PCR (BAM Chp 4A) Includes O26, O45, O103, O111, O113, O121, and O145	STEC (Real-Time PCR)
FDA BAM Chp 18 AOAC 997.02 AOAC 2014.05 CMMEF ICUMSA GS2-47	Yeast and Mold
IFU No. 12	Alicyclobacillus spp.



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CMMEF 5 th Ed Chp 25 (YSG-Agar) CMMEF 5 th Ed Chp 25 (K-Agar)	Alicyclobacillus
CMMEF 5 th Ed Chp 21 ISO 21527	Acid and Preservative Resistant Yeast
CMMEF 5 th Ed Chp 25	Aciduric Flat Sour Sporeformers
CMMEF 5 th Ed Chp 8 ICUMSA GS2/3-41	Aerobic Mesophilic Microorganisms Total Mesophilic Bacteria Count
CMMEF 5 th Ed Chp 23	Aerobic Mesophilic Spores
CMMEF 5 th Ed Chp 24	Anaerobic Mesophilic Bacteria
CMMEF 5 th Ed Chp 24	Anaerobic Mesophilic Spores
CMMEF 5 th Ed Chp 6 & 24	Anaerobic Plate Count
CMMEF 5 th Ed Chp 28	Anaerobic Sulfite Reducing Bacteria
CMMEF 5 th Ed Chp 24 & 28	Anaerobic Mesophilic Sulfite Reducing Spores
CMMEF 5 th Ed Chp 27 & 28	Anaerobic Thermophilic Sulfite Reducing Spores
CMMEF 5 th Ed Chp 25 IFU No. 12	Guaiacol Producing Bacteria
CMMEF 5 th Ed Chp 22	Heat Resistant Mold
CMMEF 5 th Ed Chp 26	Heat Resistant Spore Formers
AOAC 988.18 EPA 9215	Heterotrophic Plate Count
CMMEF SMEDP	Laboratory Pasteurization Count
CMMEF 5 th Ed Chp 23 ICUMSA GS2-53	Mesophilic Flat Sours
CMMEF 5 th Ed Chp 17 ICUMSA GS2-53	Osmophilic Mold Xerotolerant Mold
CMMEF 5 th Ed Chp 17	Osmophilic Yeast
Real-Time PCR	Penicillium commune
CMMEF SMEDP	Preliminary Incubation Count
CMMEF 5 th Ed Chp 13	Psychrotrophic Plate Count
CMMEF 5 th Ed Chp 25 IFU No. 12	Thermophilic Acidophilic Bacteria



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CMMEF 5 th Ed Chp 26	Thermophilic Aerobic Spores (CMMEF)
CMMEF 5 th Ed Chp 27	Thermophilic Anaerobic Spores (CMMEF)
CMMEF 5 th Ed Chp 26	Thermophilic Flat Sours (CMMEF)
AOAC 988.18 CMMEF 5 th Ed Chp 14	Thermophilic Plate Count (CMMEF)
CMMEF 5 th Ed Chp 19	Total Acidophilic Count (CMMEF)
CMMEF 5 th Ed Chp 25	Alicyclobacillus acidoterrestris (Real-Time PCR)
FDA BAM Chp 14	Bacillus spp. (Real-Time PCR)
FDA BAM Chp 14	Bacillus subtilis (Real-Time PCR)
FDA BAM Chp 14	Bacillus Cereus (Real-Time PCR)
FDA BAM Chp 16	Clostridium Perfringens (Real-Time PCR)
FDA BAM Chp 4	Coliform (MPN)
EPA 1604	Coliform – Potability
FDA BAM Chp 29	Cronobacter sakazakii (Real-Time PCR)
FDA BAM Chp 29	Cronobacter spp. (Real-Time PCR)
FDA BAM Chp 19A	Cryptosporidium spp. (Real-Time PCR)
FDA BAM Chp 4	E.coli (MPN)
EPA 1604	E.coli – Potability
FDA BAM	Enterobacter sakazakii (Real-Time PCR)
AOAC 2003.01 CMMEF 5 th Ed Chp 9	Enterobacteriaceae
FDA BAM Appx 1	Enterococcus spp. (Real-Time PCR)
FDA BAM Chp 4A	ETEC (Real-Time PCR)
FDA BAM Chp 4	Fecal Coliform
Real-Time PCR	Giardia spp.
CMMEF 5 th Ed Chp 25 IFU No. 12	Guaiacol Confirmation
CMMEF 5 th Ed Chp 26	Heat Resistant Bacillus
CMMEF 5 th Ed Chp 26	Heat Resistant Bacteria



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CMMEF (Chap 21)	Heat Resistant Mold
CMMEF 5th Edition (Chap 22)	Heat Resistant Mold – 15 Day
EPA 9215 HPC	Heterotrophic Plate Count
Real-Time PCR	Helicobacter Pylori
AOAC 041701 CMMEF 5 th Ed Chp 20	Heterofermentative Lactobacillus
PCR (BAM Chp 26B) ISO 15216-1:2017	Hepatitis A
AOAC 982.33 CMMEF 5 th Ed Chp 4	Howard Mold Count
AOAC 041701 CMMEF 5 th Ed Chp 20	Lactobacillus spp. (CMMEF)
CMMEF	Probiotic Enumeration
CMMEF 5 th Ed Chp 13	Psychrotrophic Anaerobic Bacteria
Real-Time PCR	Serratia spp.
FDA BAM Chp 12	Staphylococcus spp. (Real-Time PCR)
FDA BAM Appx 1	Streptococcus spp. (Real-Time PCR)
CMMEF 5 th Ed Chp 28	Sulfite Reducing Clostridia
FDA BAM Chp 9	Vibrio parahaemolyticus (Real-Time PCR)
FDA BAM Chp 9	Vibrio spp. (Real-Time PCR)
CMMEF	Yersinia spp. (Real-Time PCR)
PCR (BAM Chp 26B)	Norovirus (Real-Time PCR)
GMO (Real-Time PCR)	
ISO 21570	Bt-Corn (Real-Time PCR)
ISO 21570	Qualitative GMO Screen (Real-Time PCR)
ISO 21570	Quantitative GMO Screen (Real-Time PCR)
ISO 21570	Roundup-Ready Maize (Real-Time PCR)
ISO 21570	Roundup-Ready Soy (Real-Time PCR)
ISO 21570	Screening Test (Real-Time PCR)



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ISO 21570	Alfalfa (Real-Time PCR)
ISO 21570	Apple (Real-Time PCR)
ISO 21570	Beet (Real-Time PCR)
ISO 21570	Canola (Real-Time PCR)
ISO 21570	Cotton (Real-Time PCR)
ISO 21570	Papaya (Real-Time PCR)
ISO 21570	Potato (Real-Time PCR)
ISO 21570	Rice (Real-Time PCR)
ISO 21570	Squash (Real-Time PCR)
ISO 21570	Tomato (Real-Time PCR)
ISO 21570	Wheat (Real-Time PCR)
Allergens	
ELISA Real-Time PCR	Almond
ELISA Real-Time PCR	Anchovy
ELISA Real-Time PCR	Cashew
ELISA Real-Time PCR	Coconut
ELISA Real-Time PCR	Egg
ELISA Real-Time PCR	Fish
AOAC 2014.03	Gliadin (ELISA)
AOAC 061201	Gluten (ELISA)
ELISA Real-Time PCR	Hazelnut
ELISA Real-Time PCR	Milk
ELISA Real-Time PCR	Mustard
ELISA Real-Time PCR	Peanut
ELISA Real-Time PCR	Pecan
ELISA Real-Time PCR	Pine Nut
ELISA Real-Time PCR	Pistachio
ELISA Real-Time PCR	Sesame



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ELISA Real-Time PCR	Shellfish
ELISA Real-Time PCR	Soybean
ELISA Real-Time PCR	Walnut
ELISA Real-Time PCR	Wheat
ELISA Real-Time PCR	Treenut
Chemistry – Organic	
GC-FID	Acetone
FDA	Acrylamide (LC-MS/MS)
AOAC 2005.08 USDA	Aflatoxin
AOAC 2005.08	Aflatoxin (B1, B2, G1, G2) (HPLC)
AOAC 980.21	Aflatoxin M1 (HPLC)
AOAC 2018.06	Amino Acids (HPLC/LC-MS/MS)
GC-FID	Benzene (GC-FID)
USDA AOAC 994.11	Benzoic Acid (HPLC)
HPLC	Bromelain (HPLC)
AOAC 979.08	Caffeine (HPLC)
AOAC 2020.07	Carbohydrates
AOAC 986.17	Deoxynivalenol (DON) (HPLC)
HPLC	Ellagic Acid (HPLC)
GC-MS/MS	Ethylene Oxide
AOAC 996.06 AOCS Ce 1h-05	Fatty Acid Profile
HPLC/LC-MS/MS	Free Amino Acids
AOAC 940.28	Free Fatty Acids
AOAC 2007.01	Glufonisate (LC-MS/MS)
AOAC 2018.11	Hemp Cannabinoid Profile
GC-FID	Hexanal
GC-FID	Isopropanol
HPLC/LC-MS/MS	Melatonin



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GC-FID	Methanol
UHPLC-MS/MS	Melamine
GC-FID GC-MS	Mineral Oil Aromatic Hydrocarbons
GC-FID GC-MS	Mineral Oil Saturated Hydrocarbons
AOAC 2000.03	Ochratoxin A (HPLC)
AOAC 986.13	Organic Acids (HPLC)
AOAC 995.10 AOAC 2000.02	Patulin (HPLC/LC-MS/MS)
EPA 8270D 2014	Polycyclic Aromatic Hydrocarbons (GC-MS/MS)
HPLC	Punicaligans
GC-MS/MS	Quaternary Ammonium Compounds
AOAC 995.03 ASTA 21.0	Scoville Heat Units (HPLC)
GC-MS/MS	Smoke Taint Markers (GC-MS/MS)
USDA AOAC 994.11	Sorbic Acid (HPLC)
LC-MS/MS	Sudan Dyes and Para-Red
AOCS Ce 12-16	Sterols
AOAC 2018.11	Tetrahydrocannabinol
Folin-Ciocalteu Assay	Total Polyphenols (Gallic Acid Equivalent)
HPLC	Uric Acid
AOAC 985.18	Zearalenone (HPLC)
Chemistry – Pesticides	
AOAC 2007.01	Comprehensive Pesticide Residue Analysis (AOAC 2007.1)
AOAC 2007.01	Glyphosate (AOAC 2007.1)
AOAC 2007.01	Pesticides-Fruit Profile
AOAC 2007.01	Pesticides (Multi Residue Screen) (AOAC 2007.1)
AOAC 2007.01	Pesticides-NOP
AOAC 2007.01	Pesticide Residue Analysis (AOAC 2007.1)
USP<561>	Pesticides (USP-561)
Chemistry – Inorganics	



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AOAC (Multiple)	Acid Insoluble Ash
AOAC (Multiple)	Acid Soluble Ash
AOAC 969.17 AOCS Cd 3d-63	Acid Value
AOAC (Multiple)	Ash
AOAC 932.12	Brix
AOAC (Multiple)	Calories
AOAC 935.38 IC-MS	Chloride
GC-FID AOAC 976.26 (Modified)	Cholesterol
AOAC 935.38	Fat
AOAC 996.06	Fat by GC
AOAC 978.18	Humidity
AOAC 2015.01 IC-ICP-MS	Inorganic Arsenic
AOAC 985.29	Insoluble Fiber
AOAC 2006.06	Lactose
AOAC 2015.01	Metals by ICP-MS: Aluminum, Antimony, Arsenic, Barium, Boron, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Phosphorus, Potassium, Selenium, Silicon, Silver, Sodium, Thallium, Tin, Zinc
AOAC 925.45	Moisture By Vacuum Oven
AOAC (Multiple)	Moisture Content
AOAC 993.03 (Modified)	Nitrate
AOAC 993.03 (Modified)	Nitrite
UV-Spectroscopy	Pectin
AOAC 965.33	Peroxide Value
AOAC 943.02	pH
AOAC 992.15	Protein
AOAC 935.38	Salt by Silver Nitrate by Titration
AOAC 915.01	Salt Content



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AOAC 985.29	Soluble Fiber
AOAC 977.20	Sugar Profile
AOAC 990.28 (Modified)	Sulfates
AOAC 990.28 ICUMSA GS2-33	Sulfites
AOAC 942.15	Titrateable Acidity
AOAC 985.29	Total Fiber
AOAC 925.09	Total Solids
HPLC	Vitamin A (Beta Carotene)
HPLC LC-MS	Thiamine (Vitamin B1)
H HPLC LC-MS	Riboflavin (Vitamin B2)
HPLC LC-MS	Niacin (Vitamin B3)
HPLC LC-MS	Pantothenic (Vitamin B5)
HPLC LC-MS	Pyridoxine (Vitamin B6)
HPLC LC-MS	Folic Acid (Vitamin B9)
HPLC LC-MS	Cyanocobalamin (Vitamin B12)
HPLC	Vitamin C (Ascorbic Acid)
HPLC LC-MS	Vitamin D
HPLC	Vitamin E (Tocopherol)
HPLC	Vitamin K
AOAC 978.18	Water Activity
AOAC (Multiple)	Water Phase Salt Content

