



# CERTIFICATE OF ACCREDITATION

*This is to attest that*

## **INSTITUTE OF GLOBAL CERTIFICATION CO., LTD.**

LABORATORY: RM 1410~1414, 28 DIGITAL-RO 30-GIL, GURO-GU  
SEOUL 08389, REPUBLIC OF KOREA

OFFICE: RM. 501, DAERYUNG TECHNO TOWN, 638, SEOBUSAET-GIL, GEUMCHEON-GU  
SEOUL 08504, REPUBLIC OF KOREA

### **Testing Laboratory TL-832**

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.

Effective Date May 25, 2023



A handwritten signature in black ink, reading 'Raj Nathan'.

**President**

Visit [www.iasonline.org](http://www.iasonline.org) for current accreditation information.

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

## INSTITUTE OF GLOBAL CERTIFICATION CO., LTD.

[www.igcert.org](http://www.igcert.org)

**Contact Name** WonJoo Gong

**Contact Phone** +82-1071479101

*Accredited to ISO/IEC 17025:2017*

*Effective Date May 25, 2023*

<b>Microbiological Test</b>	
Modification of BAM chapter 4. Enumeration of Escherichia coli and the Coliform Bacteria-IGCLAB-SOP-001	E. coli
Modification of BAM chapter 4. Enumeration of Escherichia coli and the Coliform Bacteria-IGCLAB-SOP-002	E. coli / Total Coliform Counts
Modification of BAM chapter 5. Salmonella-IGCLAB-SOP-003	Salmonella Sp.
Modification of BAM chapter 10. Detection of Listeria monocytogenes in Foods and Environmental Samples, and Enumeration of Listeria monocytogenes in Foods-IGCLAB-SOP-004	Listeria Sp. / Listeria monocytogenes
Modification of BAM chapter 12. Staphylococcus aureus-IGCLAB-SOP-005	Staphylococcus aureus
Modification of BAM chapter 3. Aerobic Plate Counts-IGCLAB-SOP-006	Aerobic Plate Counts
Modification of BAM chapter 18. Yeasts, Molds and Mycotoxins-IGCLAB-SOP-007	Yeast and Mold
Modification of BAM chapter 14. Bacillus cereus-IGCLAB-SOP-008	Bacillus cereus
<b>Chemical Test</b>	
Calculation from analysis (ref. FAO paper 77; Food energy – methods of analysis and conversion factors)- IGCLAB-SOP-009	Calories / Calories from fat / Carbohydrates / Other carbohydrates
Analysis with Buchi Fat Detector (Extraction Units E-816) (Analysis system based on AOAC 989.05. Fat in Milk, Official Methods of Analysis of AOAC international, 20 <sup>th</sup> Edition, 2016)-IGCLAB-SOP-010	Fat (crude) / Total fat-sum of fatty acids
Modification of AOAC 985.29. Total Dietary Fiber in Foods (Official Methods of Analysis of AOAC international, 20 <sup>th</sup> Edition, 2016)- IGCLAB-SOP-011	Dietary Fiber (include soluble, insoluble fiber)
Modification of AOAC 980.13. Fructose, Glucose, Lactose, Maltose, and Sucrose in Milk Chocolate (Official Methods of	Sugar – Total

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Analysis of AOAC international, 20 <sup>th</sup> Edition, 2016)- IGCLAB-SOP-012	
Modification of AOAC 979.23. Saccharides (major) in Corn Syrup and AOAC 983.22. Saccharides (minor) in Dextrose products (Official Methods of Analysis of AOAC international, 20 <sup>th</sup> Edition, 2016)- IGCLAB-SOP-013	Added sugar
Identical Method of AOAC 994.10. Cholesterol in Foods (Official Methods of Analysis of AOAC international, 20 <sup>th</sup> Edition, 2016)- IGCLAB-SOP-014	Cholesterol
Identical Method of AOAC 925.45. Loss on Drying (Moisture) in Sugars (Official Methods of Analysis of AOAC international, 20 <sup>th</sup> Edition, 2016)- IGCLAB-SOP-015	Moisture
Identical Method of AOAC 900.02. Ash of Sugars and Syrups (Official Methods of Analysis of AOAC international, 20 <sup>th</sup> Edition, 2016)- IGCLAB-SOP-016	Ash
Analysis with Buchi automated Protein analyzing system (KjelMaster K-375 for determination of ammonia and nitrogen / KjelSampler K-376 for auto sampling / KjelDigester K-449 for Block digestion) (Analysis system based on AOAC 991.20. Nitrogen (total) in Milk, Official Methods of Analysis of AOAC international, 20 <sup>th</sup> Edition, 2016)- IGCLAB-SOP-017	Protein (crude)
Modification of AOAC 2001.13. Vitamin A (Retinol) in Foods (Official Methods of Analysis of AOAC international, 20 <sup>th</sup> Edition, 2016) IGCLAB-SOP-018	Vitamin A IU
Modification of AOAC 942.23. Thiamine (Vitamin B <sub>1</sub> ) in Human and Pet Foods (Official Methods of Analysis of AOAC international, 20 <sup>th</sup> Edition, 2016)- IGCLAB-SOP-019	Vitamin-B <sub>1</sub> Thiamin
Modification of AOAC 970.65. Riboflavin (Vitamin B <sub>2</sub> ) in Foods and Vitamin Preparations (Official Methods of Analysis of AOAC international, 20 <sup>th</sup> Edition, 2016)- IGCLAB-SOP-020	Vitamin-B <sub>2</sub> Riboflavin
Modification of AOAC 961.14. Niacin and Niacinamide in Drugs, Foods, and Feeds (Official Methods of Analysis of AOAC international, 20 <sup>th</sup> Edition, 2016)- IGCLAB-SOP-021	Vitamin-B <sub>3</sub> Niacin
Identical method of Korea Food code (prepared by Ministry of Food and Drug safety published) Chapter 7. General method (7. General) 2.2.2 Vitamins (2.2.2 Vitamins) 2.2.2.10 Vitamin B <sub>5</sub> (Pantothenic acid)- IGCLAB-SOP-022	Vitamin-B <sub>5</sub> Pantothenic Acid
Modification of AOAC 2004.07. Vitamin B <sub>6</sub> in Reconstituted Infant Formula (Official Methods of Analysis of AOAC international, 20 <sup>th</sup> Edition, 2016)- GCLAB-SOP-023	Vitamin-B <sub>6</sub>

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Modification of AOAC 2012.21. Vitamin C in Infant Formula and Adult/Pediatric Nutritional Formula (Official Methods of Analysis of AOAC international, 20 <sup>th</sup> Edition, 2016)- IGCLAB-SOP-024	Vitamin C
Modification of AOAC 995.05. Vitamin D in Infant Formula and Enteral Products (Official Methods of Analysis of AOAC international, 20 <sup>th</sup> Edition, 2016)- IGCLAB-SOP-025	Vitamin D IU
Modification of AOAC 995.05. Simultaneous Determination of Vitamin E and A in Infant Formula and Adult Nutritionals (Official Methods of Analysis of AOAC international, 20 <sup>th</sup> Edition, 2016)- IGCLAB-SOP-026	Vitamin E IU
Modification of AOAC 2011.14. Calcium, Copper, Iron, Magnesium, Manganese, Potassium, Phosphorus, Sodium, and Zinc (Official Methods of Analysis of AOAC international, 20 <sup>th</sup> Edition, 2016)- IGCLAB-SOP-027	Calcium / Copper / Iron / Magnesium / Phosphorus / Potassium / sodium / zinc
Modification of AOAC 2015.01. Heavy metals in Food (Official Methods of Analysis of AOAC international, 20 <sup>th</sup> Edition, 2016)- IGCLAB-SOP-028	Selenium / Cadmium / Arsenic / Lead
Modification method to 991.39. Fatty Acids in Encapsulated Fish Oils and Fish Oil Methyl and Ethyl Esters (Official Methods of Analysis of AOAC international, 20 <sup>th</sup> Edition, 2016)- IGCLAB-SOP-029	Total fat-sum of fatty acids

AOAC - Association of Official Agricultural Chemists

BAM - Bacteriological Analytical Manual