

NO: SAMM 799

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LABORATORY LOCATION:
(PERMANENT LABORATORY)

MAIN LABORATORY
DCH CONTRACT MANUFACTURING SDN BHD,
LOT 6, PERSIARAN PERUSAHAAN, SEKSYEN 23
KAWASAN PERUSAHAAN, 40300 SHAH ALAM
SELANGOR
MALAYSIA

FIELDS OF TESTING:**CHEMICAL & MICROBIOLOGY**

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF TESTING: CHEMICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
<ul style="list-style-type: none"> Fruit juices and concentrates 	Ascorbic Acid (Vitamin C)	In-house method DCH-WI-QA103: Determination of Ascorbic Acid (Vitamin C) in fruit juices and concentrates using DCPIP titration based on AOAC 967.21
	Sorbic Acid	In-house method DCH-WI-QA109: Determination of Sorbic Acid in fruit juices and concentrates using HPLC based on AOAC 983.16
	Titrateable Acidity	In-house method DCH-WI-QA106: Determination of Titrateable Acidity in fruit juices and concentrates based on AOAC 942.15
	pH	AOAC 981.12
	Specific Gravity	AOAC 950.28
	Brix	In-house Method DCH-WI-QA112: Determination of Brix in fruit juices and concentrates using refractometry method

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SCOPE OF TESTING: CHEMICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
<ul style="list-style-type: none"> Dairy Products <ul style="list-style-type: none"> Milk Powders Milk Products 	Ash Moisture	AOAC 930.30 In-house method DCH-WI-QA104: Determination of moisture content in dairy products using oven drying method based on AOAC 927.05
<ul style="list-style-type: none"> Powdered Foodstuffs 	Tapped Density	In-house Method DCH-WI-QA111: Determination of Tapped Density in powdered foodstuffs based on USP <616> (Method II - Tapped Density)
<ul style="list-style-type: none"> Liquids <ul style="list-style-type: none"> Edible Oils Nutritional Products Cough Syrups Emulsions 	Refractive Index	In-house method DCH-WI-QA110: Determination of Refractive Index in Liquids based on USP <831>
<ul style="list-style-type: none"> Cocoa Products <ul style="list-style-type: none"> Cocoa Powders Cocoa 	Ash Moisture	In-house method DCH-WI-QA102: Determination of Ash in Cocoa Products based on AOAC 972.15 AOAC 931.04
<ul style="list-style-type: none"> Liquids <ul style="list-style-type: none"> Pharmaceutical Products Nutritional Products 	pH Density	USP <791> BP: Appendix V-A246 G. Density

Note:

1. AOAC: Association of Official Analytical Chemists
2. USP: United States Pharmacopeia, USP42-NF37
3. BP: British Pharmacopeia, Ph. Eur.

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SCOPE OF TESTING: CHEMICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
<ul style="list-style-type: none"> • Dairy Products <ul style="list-style-type: none"> - Milk Powders - Milk Products 	Moisture	In-house method DCH-WI-QA032 based on Determination of Moisture Content in Dairy Products Using Moisture Analyzer Method AOAC 927.05
<ul style="list-style-type: none"> • Malt Products • Cereal Products 	Moisture	In-house method DCH-WI-QA042 based on Determination of Moisture Content in Malt and Cereals Using Moisture Analyzer Method AOAC 935.29

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SCOPE OF TESTING: MICROBIOLOGY

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
Broad Range of Food and Other Categories -Dried cereals, fruits, nuts, seeds and vegetables -Infant formula and infant cereals -Heat-processed milk and dairy products -Chocolate, bakery products and confectioneries -Environmental samples (Food or feed production) -Fruit juice and concentrates	Total Plate Count	In-house method DCH-WI-QA080 based on BAM Chap.3 Aerobic Plate Count.2001
	Coliform	In-house method DCH-WI-QA164 based on BAM Chap.4 E. coli and the Coliform.2020
	Yeasts and Mould	Bacteriological Analytical Manual (BAM) CHAPTER18 Yeast, Mld and Mycotoxins Method
	Enterobacteriacea	ISO 21528-2 Microbiology of food and animal feeding stuffs- Horizontal methods for the detection and enumeration- Part2: Colony-count method
	<i>Staphylococcus aureus</i>	ISO 6888-1 Microbiology of food and animal feeding stuffs- Horizontal methods for the detection and enumeration of coagulase-positive staphylococci (<i>Staphylococcus aureus</i> and other species)- Part 1: Technique using Baird-Parker agar medium
	<i>Bacillus cereus</i>	Bacteriological Analytical Manual (BAM) CHAPTER 14 Bacillus cereus.2020
	<i>Escherichia coli</i>	Bacteriological Analytical Manual (BAM) CHAPTER 4 Enumeration of <i>Escherichia coli</i> and the Coliform Bacteria- Solid Medium Method. 2020