

**ANNEX TO ACCREDITATION LABORATORY CERTIFICATE NO. LP-184-IDN-SNI ISO/IEC 17025:2017 (ISO/IEC 17025:2017)**

Name of Laboratory : PT Saraswanti Indogenetech Address : Jl. Rasamala No. 20, Taman Yasmin Bogor Phone. (0251) 7532384	Issued on: 18 January 2021 Expired date: 17 January 2026
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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Deminerlized water	Odor	SNI 3554:2015 point 3.2.1	
		Taste	SNI 3554:2015 point 3.2.1	
		Color (unit Pt-Co)	SNI 3554:2015 point 3.2.3.2	
		pH	SNI 3554:2015 point 3.3	
		Turbidity	SNI 3554:2015 point 3.4	
		Total Dissolved Solids	18-11-87/MU/SMM-SIG (TDS meter)	
		Total Organic Carbon	SNI 3554:2015 point 3.7	
		Silver (Ag)	SNI 3554:2015 point 3.21	
			18-10-11/MU/SMM-SIG (ICP-OES)	
		Free Carbon Dioxide (CO <sub>2</sub> )	SNI 3554:2015 point 3.24	
		Initial Dissolved Oxygen (DO)	SNI 3554:2015 point 3.25	
		Final Dissolved Oxygen (DO)		
		Lead (Pb)	SNI 3554:2015 point 3.26.1.2	
			18-10-11/MU/SMM-SIG (ICP-OES)	
			18-13-14/MU/SMM-SIG (ICP-MS)	
		Copper (Cu)	SNI 3554:2015 point 3.26.2	
			18-10-11/MU/SMM-SIG (ICP-OES)	
		Cadmium (Cd)	SNI 3554:2015 point 3.26.3.2	
			18-13-14/MU/SMM-SIG (ICP-MS)	
			18-10-11/MU/SMM-SIG (ICP-OES)	
		Mercury (Hg)	SNI 3554:2015 point 3.26.4	
			18-10-11/MU/SMM-SIG (AAS-FIAS)	
		Arsenic (As)	SNI 3554:2015 point 3.26.5.3	
			18-10-11/MU/SMM-SIG (ICP-OES)	
			18-13-14/MU/SMM-SIG (ICP-MS)	
		Conductivity at 25°C	SNI 06-6989.1-2004	
		Total Dissolved Solids	18-11-87/MU/SMM-SIG (TDS meter)	
Alkalinity	AOAC 973.43, 2005			
Hardness	18-11-15/MU/SMM-SIG (Titrimetry)			
Initial Total Plate Count	SNI 3554:2015 point 3.28.1			
Final Total Plate Count				

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Chemistry/Biology	Demineralized water	<i>Coliform</i>	SNI 3554:2015 point 3.28.2	
		<i>Pseudomonas aeruginosa</i>	SNI 3554:2015 point 3.28.3	
<i>Enterococci</i>		SNI 3554:2015 point 3.28.4		
Yeast & Mold		SNI ISO 21527-1:2012		
Sulfite-reducing Anaerobes (Clostridia)		SNI 3554:2015 point 3.28.5		
<i>Clostridium perfringens</i>		ISO 14189:2013		
<i>Escherichia coli</i>		SNI 3554:2015 point 3.28.2		
<i>Salmonella</i>		ISO 19250:2010		
<i>Staphylococcus aureus</i>		SNI ISO 6888-1:2012		
Mineral Water		Odor		
	Taste			
	Color (unit Pt-Co)		SNI 3554:2015 point 3.2.3.2	
	pH		SNI 3554:2015 point 3.3	
	Turbidity		SNI 3554:2015 point 3.4	
	Total Dissolved Solids		18-11-87/MU/SMM-SIG (TDS meter)	
	Permanganate Value		SNI 3554:2015 point 3.6	
	Nitrate (as NO <sub>3</sub> )		SNI 3554:2015 point 3.8	
	Nitrite (as NO <sub>2</sub> )		SNI 3554:2015 point 3.9	
	Ammonium (NH <sub>4</sub> )		SNI 3554:2015 point 3.10	
	Sulphate (SO <sub>4</sub> )		SNI 3554:2015 point 3.11	
	Chloride (Cl <sup>-</sup> )		SNI 3554:2015 point 3.12	
	Fluoride (F)		SNI 3554:2015 point 3.13	
	Cyanide (CN)		SNI 3554:2015 point 3.14	
	Iron (Fe)		SNI 3554:2015 point 3.15	
	Manganese (Mn)		SNI 3554:2015 point 3.16	
	Chlorine (Cl <sub>2</sub> )		SNI 3554:2015 point 3.17	
	Chromium (Cr)		SNI 3554:2015 point 3.18	
	Barium (Ba)		SNI 3554:2015 point 3.19	
	Boron (B)		SNI 3554:2015 point 3.22	
	Selenium (Se)		SNI 3554:2015 point 3.20	
	Silver (Ag)		SNI 3554:2015 point 3.21	
	Carbon Dioxide (CO <sub>2</sub> ) free		SNI 3554:2015 point 3.24	
Initial Dissolved Oxygen (DO)		SNI 3554:2015 point 3.25		
Final Dissolved Oxygen (DO)		SNI 3554:2015 point 3.25		
Lead (Pb)		SNI 3554:2015 point 3.26.1.2		
Copper (Cu)		SNI 3554:2015 point 3.26.2		

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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology		Cadmium (Cd)	SNI 3554:2015 point 3.26.3.2	
		Mercury (Hg)	SNI 3554:2015 point 3.26.4	
			18-10-11/MU/SMM-SIG (AAS-FIAS)	
			18-13-14/MU/SMM-SIG (ICP-MS)	
		Arsenic (As)	SNI 3554:2015 point 3.26.5.3	
			18-10-11/MU/SMM-SIG (ICP-OES)	
			18-13-14/MU/SMM-SIG (ICP-MS)	
		Alkalinity	AOAC 973.43, 2005	
		Hardness	18-11-15/MU/SMM-SIG (Titrimetry)	
		Fluoride (F)	18-9-23/MU/SMM-SIG (Spectrophotometry)	
		Cyanide (CN)	18-9-24/MU/SMM-SIG (Spectrophotometry)	
		Ammonium (NH <sub>4</sub> )	18-9-26/MU/SMM-SIG (Spectrophotometry)	
		Barium (Ba)	18-10-11/MU/SMM-SIG (ICP-OES)	
		Chromium (Cr)		
		Manganese (Mn)		
		Iron (Fe)		
		Cobalt (Co)		
		Copper (Cu)		
		Boron (B)		
		Selenium (Se)		
		Silver (Ag)		
		Cadmium (Cd)		
			18-13-14/MU/SMM-SIG (ICP-MS)	
		Lead (Pb)	18-10-11/MU/SMM-SIG (ICP-OES)	
			18-13-14/MU/SMM-SIG (ICP-MS)	
		Initial Total Plate Count	SNI 3554:2015 point 3.28.1	
		Final Total Plate Count		
		<i>Coliform</i>	SNI 3554:2015 point 3.28.2	
		<i>Pseudomonas aeruginosa</i>	SNI 3554:2015 point 3.28.3	
		<i>Enterococci</i>	SNI 3554:2015 point 3.28.4	
		Yeast and Mold	SNI ISO 21527-1:2012	
		Sulfite-reducing Anaerobes (Clostridia)	SNI 3554:2015 point 3.28.5	
		<i>Clostridium perfringens</i>	ISO 14189:2013	
<i>Escherichia coli</i>	SNI 3554:2015 point 3.28.2			
<i>Salmonella</i>	ISO 19250:2010			
<i>Staphylococcus aureus</i>	SNI ISO 6888-1:2012			
Natural Mineral Water	Alkalinity	AOAC 973.43, 2005		
	Hardness	18-11-15/MU/SMM-SIG (Titrimetry)		

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Chemistry/Biology	Natural Mineral Water	Fluoride (F)	18-9-23/MU/SMM-SIG (Spectrophotometry)	
		Sianida (CN)	18-9-24/MU/SMM-SIG (Spectrophotometry)	
		Barium (Ba)	18-10-11/MU/SMM-SIG (ICP-OES)	
		Chromium (Cr)		
		Manganese (Mn)		
		Nickel (Ni)		
		Copper (Cu)		
		Borate as Boron (B)		
		Antimony (Sb)		
		Selenium (Se)		
		Cadmium (Cd)	18-10-11/MU/SMM-SIG (ICP-OES)	
			18-13-14/MU/SMM-SIG (ICP-MS)	
			SNI 3554:2015 point 3.26.3.2	
		Lead (Pb)	18-10-11/MU/SMM-SIG (ICP-OES)	
			18-13-14/MU/SMM-SIG (ICP-MS)	
			SNI 3554:2015 point 3.26.1.2	
		Mercury (Hg)	18-10-11/MU/SMM-SIG (AAS-FIAS)	
			18-13-14/MU/SMM-SIG (ICP-MS)	
			SNI 3554:2015 point 3.26.4	
		Arsenic (As)	18-10-11/MU/SMM-SIG (ICP-OES)	
			18-13-14/MU/SMM-SIG (ICP-MS)	
			SNI 3554:2015 point 3.26.5.3	
		Color (unit Pt-Co)	SNI 3554:2015 point 3.2.3.2	
		Total Dissolved Solids	18-11-87/MU/SMM-SIG (TDS meter)	
		Nitrate (as NO <sub>3</sub> )	SNI 3554:2015 point 3.8	
		Nitrite (as NO <sub>2</sub> )	SNI 3554:2015 point 3.9	
		Fluoride (F)	SNI 3554:2015 point 3.13	
		Cyanide (CN)	SNI 3554:2015 point 3.14	
		Sulphate (SO <sub>4</sub> )	SNI 3554:2015 point 3.11	
		Free Carbon Dioxide (CO <sub>2</sub> )	SNI 3554:2015 point 3.24	
		Antimony (Sb)	SNI 3554:2015 point 3.26.6	
		Barium (Ba)	SNI 3554:2015 point 3.19	
		Borate as Boron (B)	SNI 3554:2015 point 3.22	
Chromium (Cr)	SNI 3554:2015 point 3.18			
Copper (Cu)	SNI 3554:2015 point 3.26.2			
Manganese (Mn)	SNI 3554:2015 point 3.16			
Nickel (Ni)	SNI 3554:2015 point 3.21			
Selenium (Se)	SNI 3554:2015 point 3.20			

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Chemistry/Biology	Natural Mineral Water	1,2-Dichloroethane	18-14-14/MU/SMM-SIG (GC-MS Head space)	
		Aldrin	18-14-2/MU/SMM-SIG (GC-MSMS)	
		Dieldrin		
		Heptachlorepoide		
		Methoxychlor		
		Detergent	SNI 3554:2015 point 3.27.2	
		Mineral Oil	SNI 6989.10:2011	
		Yeast & Mold	SNI ISO 21527-1:2012	
		<i>Clostridium perfringens</i>	ISO 14189:2013	
		<i>Salmonella</i>	ISO 19250:2010	
		<i>Staphylococcus aureus</i>	SNI ISO 6888-1:2012	
		Odor	SNI 3554:2015 point 3.2.1	
		Taste	SNI 3554:2015 point 3.2.1	
		Initial Total Plate Count	SNI 3554:2015 point 3.28.1	
		Final Total Plate Count	SNI 3554:2015 point 3.28.1	
		<i>Coliform</i>	SNI 3554:2015 point 3.28.2	
		<i>Escherichia coli</i>	SNI 3554:2015 point 3.28.2	
	<i>Enterococci</i>	SNI 3554:2015 point 3.28.4		
	Sulfite-reducing Anaerobes (Clostridia)	SNI 3554:2015 point 3.28.5		
	<i>Pseudomonas aeruginosa</i>	SNI 3554:2015 point 3.28.3		
	Biscuits	Color	SNI 2973-2018 point A.2	
		Odor	SNI 2973-2018 point A.2	
		Taste	SNI 2973-2018 point A.2	
		Moisture	SNI 2973 : 2018 (SNI ISO 712)	
		Ash (Acid Insoluble)	SNI 2973 : 2018 point A.3	
		Protein	18-8-31/MU/SMM-SIG (Titrimetry)	
		Acid Value	18-11-17/MU/SMM-SIG (Titrimetry)	
Tin (Sn)		SNI 2973:2018 point A.5.2 18-13-14/MU/SMM-SIG (ICP-MS) 18-13-1/MU/SMM-SIG (ICP-OES)		
Mercury (Hg)		SNI 2973:2018 point A.5.3.4.2 18-13-14/MU/SMM-SIG (ICP-MS) 18-4-28/MU/SMM-SIG (AAS-HVG)		
Arsenic (As)		SNI 2973:2018 point A.5.4.4.2 18-13-14/MU/SMM-SIG (ICP-MS) 18-4-29/MU/SMM-SIG (AAS-HVG)		
Ash	SNI 01-2891-1992 point 6.1			
Deoxynivalenol (DON)	18-12-27/MU/SMM-SIG (LC-MSMS)			

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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks	
Chemistry/Biology	Biscuits	Cadmium (Cd)	18-13-14/MU/SMM-SIG (ICP-MS) 18-13-1/MU/SMM-SIG (ICP-OES)		
		Lead (Pb)	18-13-14/MU/SMM-SIG (ICP-MS) 18-13-1/MU/SMM-SIG (ICP-OES)		
		Total Plate Count (TPC)	SNI ISO 4833-1:2015		
		<i>Enterobacteriaceae</i>	SNI ISO 21528-2:2016		
		<i>Salmonella</i>	SNI ISO 6579:2015		
		<i>Staphylococcus aureus</i>	SNI ISO 6888-1:2012		
		Yeast and Mold	SNI ISO 21527-2:2012		
		<i>Coliform</i>	SNI ISO 4831:2012		
		<i>Bacillus cereus</i>	SNI ISO 7932:2012		
		<i>Escherichia coli</i>	SNI ISO 7251:2012		
		Instant Coffee	Odor		SNI 2983:2014 point A.2.1
			Color		SNI 2983:2014 point A.2.2
			Moisture		SNI 2983:2014 point A.3.1
	Ash		SNI 2983:2014 point A.4		
	Caffeine		18-5-22/MU/SMM-SIG (HPLC)		
	Total Glucose		18-5-15/MU/SMM-SIG (HPLC)		
	Total Xylose		18-5-83/MU/SMM-SIG (HPLC)		
	Solubility in water/ hot water		SNI 2983:2014 point A.7		
	Tin (Sn)		SNI 2983:2014 point A.8.2		
			18-13-14/MU/SMM-SIG (ICP-MS)		
			18-13-1/MU/SMM-SIG (ICP-OES)		
	Mercury (Hg)		SNI 2983:2014 point A.8.3.4.2		
			18-13-14/MU/SMM-SIG (ICP-MS)		
			18-4-28/MU/SMM-SIG (AAS-HVG)		
	Arsenic (As)		SNI 2983:2014 point A.9.4.2		
			18-13-14/MU/SMM-SIG (ICP-MS)		
			18-4-29/MU/SMM-SIG (AAS-HVG)		
	Total Plate Count (TPC)		SNI 2983:2014 point A.10.2		
	Yeast and Mold		SNI ISO 21527-2:2012		
	Ochratoxin A		18-5-36/MU/SMM-SIG (HPLC)		
		18-12-27/MU/SMM-SIG (LC-MSMS)			
	Cadmium (Cd)	18-13-14/MU/SMM-SIG (ICP-MS)			
		18-13-1/MU/SMM-SIG (ICP-OES)			
Lead (Pb)	18-13-14/MU/SMM-SIG (ICP-MS)				
	18-13-1/MU/SMM-SIG (ICP-OES)				
Instant Noodle	Odor	SNI 3551:2012 point A.2			

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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Instant Noodle	Taste	SNI 3551:2012 point A.2	
		Color	SNI 3551:2012 point A.2.3	
		Texture	SNI 3551:2012 point A.2.4	
		Foreign matter	SNI 3551:2012 point A.3	
		Integrity	SNI 3551:2012 point A.4	
		Moisture	SNI 3551:2012 point A.5	
		Protein	18-8-31/MU/SMM-SIG (Titrimetry)	
		Acid Value	18-11-17/MU/SMM-SIG (Titrimetry)	
		Cadmium (Cd)	18-13-14/MU/SMM-SIG (ICP-MS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Lead (Pb)	18-13-14/MU/SMM-SIG (ICP-MS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Tin (Sn)	SNI 3551:2012 point A.8.2	
			18-13-14/MU/SMM-SIG (ICP-MS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Mercury (Hg)	SNI 3551:2012 point A.8.3.4.2	
			18-13-14/MU/SMM-SIG (ICP-MS)	
			18-4-28/MU/SMM-SIG (AAS-HVG)	
		Arsenic (As)	SNI 3551:2012 point A.9.4.2	
			18-13-14/MU/SMM-SIG (ICP-MS)	
			18-4-29/MU/SMM-SIG (AAS-HVG)	
		Total Plate Count (TPC)	SNI 3551-2012 point A.10.2	
		<i>Coliform</i>	SNI 3551-2012 point A.10.3	
		<i>Escherichia coli</i>	SNI 3551-2012 point A.10.4	
	<i>Staphylococcus aureus</i>	SNI 3551-2012 point A.10.5		
	<i>Bacillus cereus</i>	SNI 3551-2012 point A.10.6		
	Yeast and Mold	SNI 3551-2012 point A.10.7		
	Palm Cooking Oil	Odor	SNI 7709:2019 point A.2.1	
		Taste	SNI 7709:2019 point A.2.2	
		Color	SNI 7709:2012 point A.2.3	
		Color (Lovibond 5,25" cell)	SNI 7709:2012 point A.2.3	
		Moisture and volatile matter	AOCS Ca 2b-38-2009	
		Free Fatty Acid (as Palmitic acid)	SNI 7709:2019 point A.5	
Peroxide Value		SNI 7709:2019 point A.6		
Vitamin A		18-5-1/MU/SMM-SIG (HPLC)		
Mineral Oil		SNI 7709-2019 point A.8		
Tin (Sn)		SNI 7709 : 2019 point A.9.2.1.1		
Mercury (Hg)	SNI 7709 : 2019 point A.9.4.1			

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Chemistry/Biology	Palm Cooking Oil	Arsenic (As)	SNI 7709 : 2019 point A.10.4.2		
		Milk Powder	Odor	SNI 2970-2015 Attachment A.2.1	
		Taste	SNI 2970-2015 Attachment A.2.2		
		Color	SNI 2970-2015 Attachment A.2.3		
		Moisture	SNI 2970-2015 Attachment A.3		
		Milk Fat (as Total Fat)	18-8-5/MU/SMM-SIG (Gravimetry)		
		Protein	18-8-31/MU/SMM-SIG (Titrimetry)		
		Mercury (Hg)	SNI 2970:2015 point A.8.3.4.2		
		Arsenic (As)	SNI 2970:2015 point A.9.4.2		
		Aflatoxin M1	18-12-27/MU/SMM-SIG (LC-MSMS)		
		Cadmium (Cd)	18-13-14/MU/SMM-SIG (ICP-MS)		
			18-13-1/MU/SMM-SIG (ICP-OES)		
		Lead (Pb)	18-13-14/MU/SMM-SIG (ICP-MS)		
			18-13-1/MU/SMM-SIG (ICP-OES)		
		Tin (Sn)	SNI 2970:2015 point A.8.2		
			18-13-14/MU/SMM-SIG (ICP-MS)		
			18-13-1/MU/SMM-SIG (ICP-OES)		
		Mercury (Hg)	18-13-14/MU/SMM-SIG (ICP-MS)		
			18-4-28/MU/SMM-SIG (AAS-HVG)		
		Arsenic (As)	18-13-14/MU/SMM-SIG (ICP-MS)		
			18-4-29/MU/SMM-SIG (AAS-HVG)		
		<i>Enterobacteriaceae</i>	SNI ISO 21528-2:2016		
		Yeast and Mold	SNI ISO 21527-2:2012		
		<i>Escherichia coli</i>	SNI ISO 7251:2012		
		Total Plate Count (TPC)	SNI 2970-2015 point A.10.2		
		<i>Coliform</i>	SNI ISO 4831:2012		
		<i>Salmonella</i>	SNI 2970-2015 point A.10.3		
		<i>Staphylococcus aureus</i>	SNI ISO 6888-1:2012		
		Sweetened Condensed Milk	Odor	SNI 2971:2011 Attachment A.2.1	
			Taste	SNI 2971:2011 Attachment A.2.2	
			Moisture	AOAC 925.45, 2008	
			Total Fat	18-8-5/MU/SMM-SIG (Gravimetry)	
			Protein	18-8-31/MU/SMM-SIG (Titrimetry)	
	Total Sugar (Sucrose)		18-8-8/MU/SMM-SIG (Luff-Schoorl)		
	Milk Solids		18-10-9/MU/SMM-SIG (Gravimetry)		
	Lead (Pb)		18-13-14/MU/SMM-SIG (ICP-MS)		
		18-13-1/MU/SMM-SIG (ICP-OES)			
	Tin (Sn)	SNI 2971:2011 point A.8.2			



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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Sweetened Condensed Milk	Tin (Sn)	18-13-14/MU/SMM-SIG (ICP-MS) 18-13-1/MU/SMM-SIG (ICP-OES)	
		Mercury (Hg)	SNI 2971:2011 point A.8.3.4.2 18-13-14/MU/SMM-SIG (ICP-MS) 18-4-28/MU/SMM-SIG (AAS-HVG)	
Arsenic (As)		SNI 2971:2011 point A.9.4.2 18-13-14/MU/SMM-SIG (ICP-MS) 18-4-29/MU/SMM-SIG (AAS-HVG)		
Total Plate Count (TPC)		SNI 2971:2011 point A.10.2		
Coliform		SNI 2971:2011 point A.10.3.1		
Salmonella		SNI 2971:2011 point A.10.4		
Staphylococcus aureus		SNI 2971:2011 point A.10.5		
Yeast and Mold		SNI 2971:2011 point. A.10.6		
Wheat Flour for Foodstuff		Form	SNI 3751:2018 point A.2.1	
		Color	SNI 3751:2018 point A.2.2	
	Odor	SNI 3751:2018 point A.2.3		
	Foreign matter (Other plant bark, soil, rock, sand)	SNI 3751:2018 point A.3.1		
	Foreign matter (Insects in all stadia forms and vi)	SNI 3751:2018 point A.3.2		
	Fineness, particle passing 212 um sieve (mesh 1)	SNI 3751:2018 point A.4		
	Moisture	SNI 3751:2018 (SNI ISO 712)		
	Ash	SNI 3751:2018 point A.5		
	Protein	18-8-31/MU/SMM-SIG (Titrimetry)		
	Acidity	18-11-6/MU/SMM-SIG (Titrimetry)		
	Iron (Fe)	SNI 3751:2018 point A.8.1		
	Zinc (Zn)	SNI 3751:2018 point A.8.2		
	Vitamin B1 (Thiamine)	18-5-2/MU/SMM-SIG (UPLC)		
	Vitamin B2 (Riboflavin)			
	Vitamin B9 (Folic Acid)	18-5-38/MU/SMM-SIG (HPLC)		
	Deoxynivalenol (DON)	18-5-37/MU/SMM-SIG (HPLC)		
	Deoxynivalenol (DON)	18-12-27/MU/SMM-SIG (LC-MSMS)		
	Ochratoxin A	18-5-36/MU/SMM-SIG (HPLC)		
	Ochratoxin A	18-12-27/MU/SMM-SIG (LC-MSMS)		
	Iron (Fe)	18-13-1/MU/SMM-SIG (ICP-OES)		
Zinc (Zn)				
Cadmium (Cd)	18-13-14/MU/SMM-SIG (ICP-MS) 18-13-1/MU/SMM-SIG (ICP-OES)			
Lead (Pb)	18-13-14/MU/SMM-SIG (ICP-MS) 18-13-1/MU/SMM-SIG (ICP-OES)			

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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks		
Chemistry/Biology	Wheat Flour for Foodstuff	Tin (Sn)	SNI 3751:2018 point A.9.3 18-13-14/MU/SMM-SIG (ICP-MS) 18-13-1/MU/SMM-SIG (ICP-OES)			
		Mercury (Hg)	SNI 3751:2018 point A.9.2.4.2 18-13-14/MU/SMM-SIG (ICP-MS) 18-4-28/MU/SMM-SIG (AAS-HVG)			
		Arsenic (As)	SNI 3751:2018 point A.10.4.2 18-13-14/MU/SMM-SIG (ICP-MS) 18-4-29/MU/SMM-SIG (AAS-HVG)			
		Total Plate Count (TPC)	SNI ISO 4833-1:2015			
		<i>Escherichia coli</i>	SNI ISO 7251:2012			
		<i>Salmonella</i>	SNI ISO 6579:2015			
		<i>Bacillus cereus</i>	SNI ISO 7932:2012			
		Yeast and Mold	SNI ISO 21527-2:2012			
		Toy	Migration of certain elements (Sb, As, Ba, Cd, Cr, Pb, Hg, Se)		SNI ISO 8124-3:2010	
		Textile Toys			2-Naphthylamine	18-14-8/MU/SMM-SIG (GC-MS)
					Biphenyl-4-Ylamine	
					4-Chloro-O-Toluidine	
					Benzidine	
					2.4.5-trimethylaniline	
					4-Methoxy-M-Phenylenediamine	
4-Methyl-M-Phenylenediamine						
5-Nitro-O-Toluidine						
3.3'-Dichlorobenzidine						
3.3'-Dimethoxybenzidine						
4.4'-Methylenedi-o-toluidine						
3,3-Dimethylbenzidine						
4.4'-Methylenedianiline						
4.4'-Methylene-bis-(2-chloro-aniline)						
4.4'-Oxydianiline						
4.4'-Thiodoaniline						
O-Aminoazotoluene						
O-Toluidine						
4-Chloroaniline						
6-Methoxy-m-toluidine						
O-Anisidine						
2.4-dimethylaniline						

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Chemistry/Biology	Textile Toys	2,6-dimethylaniline	18-14-8/MU/SMM-SIG (GC-MS)		
		4-aminoazobenzene			
		Formaldehyde			ISO 14184-1 :2011
					SNI ISO 14184-1 2015
		Metals Extracted (Cadmium (Cd), Copper (Cu), Lead (Pb), Nickel (Ni))	18-13-19/MU/SMM-SIG (ICP-MS)		
	Textiles	Formaldehyde			ISO 14184-1:2011
					SNI ISO 14184-1 2015
		Metals Extracted (Cadmium (Cd), Copper (Cu), Lead (Pb), Nickel (Ni))			18-13-19/MU/SMM-SIG (ICP-MS)
					18-13-19/MU/SMM-SIG (ICP-MS)
					SNI ISO 17881-1 2017
					SNI ISO 17881-1 2017
	Rice	Milling degree	SNI 6128:2015 point 7.5.1		
		Moisture	SNI 6128:2015 point 7.6		
		Head Rice	SNI 6128:2015 point 7.7		
		Broken Kernel	SNI 6128:2015 point 7.8.1		
		Chips	SNI 6128:2015 point 7.8.2		
		Red Kernel	SNI 6128:2015 point 7.9.1		
		Yellow/ Broken Kernel	SNI 6128:2015 point 7.9.2		
		Chalky kernel	SNI 6128:2015 point 7.9.3		
		Foreign matter	SNI 6128:2015 point 7.10.1		
		Paddy	SNI 6128:2015 point 7.10.2		
		Arsenic (As)	18-13-14/MU/SMM-SIG (ICP-MS)		
		Cadmium (Cd)			
		Mercury (Hg)			
		Tin (Sn)			
		Lead (Pb)			
		Diquat dibromide monohydrate	18-12-2-7/MU/SMM-SIG (LC-MSMS)		
Bendiocarb		EN 15662:2018			
Bentazone					
2,4-D					
Carbendazim					
Diazinon					
Diflubenzuron					
Disulfoton					
Endosulfan (Alfa)					
Endosulfan (Beta)					
Penthoate					

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Chemistry/Biology	Rice	Fipronil	EN 15662:2018		
		Flutolanil			
		Imidacloprid			
		Iprodion			
		Carbaryl			
		Carbofuran			
		Chlordane (Cis)			
		Chlordane (Trans)			
		Chlorfenviphos			
		Chlorpyriphos Methyl			
		Chlorothalonil			
		Methyl Parathion			
		Pirimiphos-Methyl			
		Azinphos Methyl			
		Propoxur			
		Vamidotion			
		Methamidophos			
		Cypermethrin			
	Azoxystrobin				
	Clothianidin				
	Dinotefuran				
	Trifloxystrobin				
	Iodized Salt for Consumption		Moisture		SNI 3556-2016 point 6.1
			NaCl (as dried basis)		18-11-7/MU/SMM-SIG (Titrimetry)
			Water Insoluble Matter (as dried basis)		SNI 3556-2016 point 6.3
			Iodine as KIO <sub>3</sub>		SNI 3556-2016 point 6.4
	Corn		Moisture		SNI 3920-2013 point A.3
			Damaged Kernel		SNI 3920-2013 point A.4
Kernel of other colors			SNI 3920-2013 point A.5		
Broken Kernel			SNI 3920-2013 point A.6		
Filth			SNI 3920-2013 point A.7		
Garlic, Shallot, Chives, Celery Seed, Mustard Seed			18-1/MU/SMM-SIG (PCR)		
The quantitative test of genetically modified food with the parameters of genetically modified ingredients (GMO) includes: 1. Promotor 35S 2. Terminator NOS 3. Event MON 810 maize			18-4/MU/SMM-SIG (PCR)		

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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Corn for Feed	Moisture	SNI 01-2891-1992 point 5.1	
		Crude Protein	18-8-31/MU/SMM-SIG (Titrimetry)	
		Damaged Kernel	SNI 4483:2013 point 6.3.4	
		Moldy Kernel	SNI 4483:2013 point 6.3.5	
		Broken Kernel	SNI 4483:2013 point 6.3.6	
		Foreign Matter	SNI 4483:2013 point 6.3.7	
	Soybean	Moisture	SNI 01-3922-1995 point 7.3	
		Splits Kernel	SNI 01-3922-1995 point 7.2	
		Damaged Kernel		
		Kernel of other colors		
		Filth		
		Wrinkled Kernel		
		Qualitative test of genetically modified food with	18-1/MU/SMM-SIG (PCR)	
	Quantitative test of genetically modified food with	18-4/MU/SMM-SIG (PCR)		
	Soya bean and corn products: 1. The sample contains a small amount of sugar, fat, oil, and chocolate: soy milk powder 2. The sample contains a lot of sugar: corn sugar, soy sauce 3. The sample contains lecithin, fat or oil: corn oil, lecithin	Quantitative test of genetically modified food with	18-4/MU/SMM-SIG (PCR)	
	Tempeh	Texture	SNI 3144:2015 point A.2.1	
		Color	SNI 3144:2015 point A.2.2	
		Odor	SNI 3144:2015 point A.2.3	
		Moisture	SNI 3144:2015 point A.3	
		Total Fat	18-8-5/MU/SMM-SIG (Gravimetry)	
		Protein	18-8-31/MU/SMM-SIG (Titrimetry)	
Crude Fiber		18-11-111/MU/SMM-SIG point 3.3.2 (Gravimetry)		
Tin (Sn)		18-13-1/MU/SMM-SIG (ICP-OES)		
Cadmium (Cd)		18-13-14/MU/SMM-SIG (ICP-MS)		
Lead (Pb)				
Mercury (Hg)				
Arsenic (As)				
Tin (Sn)				
Coliform		SNI ISO 4831:2012		
Salmonella		SNI ISO 6579:2015		
Green coffee or raw coffee	Live Insects	SNI 2907:2008 point 7.1		
	Abnormal odor/ Moldy	SNI 2907:2008 point 7.2		

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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Green coffee or raw coffee	Moisture	SNI 2907:2008 point 7.3	
		Defect & Foreign Matter	SNI 2907:2008 point 7.4.2	
	Roasted Ground Coffee	Odor	SNI 01-2891-1992 point 1.2	
		Taste		
		Color		
		Moisture	SNI 01-2891-1992 point 5.1	
		Ash	SNI 01-2891-1992 point 6.1	
		Alkalinity of ash	SNI 01-2891-1992 point 6.5	
		Solids (Soluble)	SNI 01-3542-2004 point 6.5	
		Caffeine	18-5-22/MU/SMM-SIG (HPLC)	
		Lead (Pb)	18-13-14/MU/SMM-SIG (ICP-MS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Copper (Cu)	18-13-1/MU/SMM-SIG (ICP-OES)	
		Zinc (Zn)		
		Tin (Sn)	18-13-14/MU/SMM-SIG (ICP-MS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Mercury (Hg)	18-13-14/MU/SMM-SIG (ICP-MS)	
			18-4-28/MU/SMM-SIG (AAS-HVG)	
		Arsenic (As)	18-13-14/MU/SMM-SIG (ICP-MS)	
			18-4-29/MU/SMM-SIG (AAS-HVG)	
		Cadmium (Cd)	18-13-14/MU/SMM-SIG (ICP-MS)	
		Total Plate Count (TPC)	SNI ISO 4833-1:2015	
	Mold	SNI ISO 21527-2:2012		
	Ochratoxin A	18-12-27/MU/SMM-SIG (LC-MSMS)		
	Roasted Ground Coffee - in Bags	Appearance of bags	SNI 01-4282-1996 point 6.1.1	
		Odor (Brew)	SNI 01-4282-1996 point 6.1.3	
		Taste (Brew)	SNI 01-4282-1996 point 6.1.3	
		Color (Brew)	SNI 01-4282-1996 point 6.1.3	
		Solids (Soluble)	SNI 01-4282-1996 point 6.3	
		Moisture	SNI 01-2891-1992 point 5.1	
		Ash	SNI 01-2891-1992 point 6	
		Alkalinity of Ash	SNI 01-2891-1992 point 6.5	
		Foreign Matter	SNI 01-4282-1996	
Lead (Pb)		18-13-14/MU/SMM-SIG (ICP-MS)		
		18-13-1/MU/SMM-SIG (ICP-OES)		
Copper (Cu)		18-13-1/MU/SMM-SIG (ICP-OES)		
Zinc (Zn)		18-13-1/MU/SMM-SIG (ICP-OES)		
Tin (Sn)		18-13-14/MU/SMM-SIG (ICP-MS)		

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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks	
Chemistry/Biology	Roasted Ground Coffee - in Bags	Tin (Sn)	18-13-1/MU/SMM-SIG (ICP-OES)		
		Mercury (Hg)	18-13-14/MU/SMM-SIG (ICP-MS)		
			18-4-28/MU/SMM-SIG (AAS-HVG)		
			Arsenic (As)		18-13-14/MU/SMM-SIG (ICP-MS)
					18-4-29/MU/SMM-SIG (AAS-HVG)
			Cadmium (Cd)		18-13-14/MU/SMM-SIG (ICP-MS)
			Total Plate Count (TPC)		SNI ISO 4833-1:2015
		Yeast and Mold	SNI ISO 21527-2:2012		
		Coffee Premix (Roasted Ground Coffee with Sugar and Creamer)	Odor		SNI 8773:2019 point A.2
			Taste		
			Color		
			Moisture		SNI 8773:2019 point A.3
			Ash		SNI 7708-2011 point A.4
			Total Fat		18-8-5/MU/SMM-SIG (Gravimetry)
			Total Sugar (Sucrose)		18-8-8/MU/SMM-SIG (Luff-Schroorl)
			Caffeine		18-5-22/MU/SMM-SIG (HPLC)
			Lead (Pb)		18-13-14/MU/SMM-SIG (ICP-MS)
					18-13-1/MU/SMM-SIG (ICP-OES)
			Tin (Sn)		18-13-14/MU/SMM-SIG (ICP-MS)
					18-13-1/MU/SMM-SIG (ICP-OES)
			Mercury (Hg)		18-13-14/MU/SMM-SIG (ICP-MS)
					18-4-28/MU/SMM-SIG (AAS-HVG)
			Arsenic (As)		18-13-14/MU/SMM-SIG (ICP-MS)
					18-4-29/MU/SMM-SIG (AAS-HVG)
			Copper (Cu)		18-13-1/MU/SMM-SIG (ICP-OES)
			Zinc (Zn)		
			Cadmium (Cd)		18-13-14/MU/SMM-SIG (ICP-MS)
			Total Plate Count (TPC)		SNI ISO 4833-1:2015
			<i>Coliform</i>		SNI ISO 4831:2012
			<i>Salmonella</i>		SNI ISO 6579:2015
			<i>Staphylococcus aureus</i>		SNI ISO 6888-1:2012
		Yeast and Mold	SNI ISO 21527-2:2012		
		Coffee Premix (Roasted Ground Coffee with Sugar and Milk)	Odor		SNI 8773:2019 point A.2
	Taste				
	Color				
	Moisture		SNI 8773:2019 point A.3		

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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Coffee Premix (Roasted Ground Coffee with Sugar and Milk)	Ash	SNI 6685-2009 point A.7	
		Protein	18-8-31/MU/SMM-SIG (Titrimetry)	
		Sugar (Sucrose)	18-8-8/MU/SMM-SIG (Luff-Schroorl)	
		Caffeine	18-5-22/MU/SMM-SIG (HPLC)	
		Cadmium (Cd)	18-13-14/MU/SMM-SIG (ICP-MS)	
		Lead (Pb)	18-13-1/MU/SMM-SIG (ICP-OES)	
			18-13-14/MU/SMM-SIG (ICP-MS)	
		Tin (Sn)	18-13-1/MU/SMM-SIG (ICP-OES)	
			18-13-14/MU/SMM-SIG (ICP-MS)	
		Mercury (Hg)	18-13-1/MU/SMM-SIG (ICP-OES)	
			18-13-14/MU/SMM-SIG (ICP-MS)	
		Arsenic (As)	18-4-28/MU/SMM-SIG (AAS-HVG)	
			18-13-14/MU/SMM-SIG (ICP-MS)	
		Total Plate Count (TPC)	18-4-29/MU/SMM-SIG (AAS-HVG)	
			SNI ISO 4833-1:2015	
		<i>Coliform</i>	SNI ISO 4831:2012	
		<i>Salmonella</i>	SNI ISO 6579:2015	
		<i>Staphylococcus aureus</i>	SNI ISO 6888-1:2012	
	Yeast and Mold	SNI ISO 21527-2:2012		
	Coffee Premix	Odor	SNI 8773 : 2019 point A.2.2	
		Taste	SNI 8773 : 2019 point A.2.3	
		Color	SNI 8773 : 2019 point A.2.1	
		Moisture	SNI 8773 : 2019 point A.3	
		Ash	SNI 01-2891-1992 point 6.1	
		Caffeine	18-5-22/MU/SMM-SIG (HPLC)	
		Copper (Cu)	18-13-1/MU/SMM-SIG (ICP-OES)	
		Zinc (Zn)		
		Lead (Pb)	18-13-14/MU/SMM-SIG (ICP-MS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Tin (Sn)	18-13-14/MU/SMM-SIG (ICP-MS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Arsenic (As)	18-13-14/MU/SMM-SIG (ICP-MS)	
18-4-29/MU/SMM-SIG (AAS-HVG)				
Cadmium (Cd)	18-13-14/MU/SMM-SIG (ICP-MS)			
Mercury (Hg)				
Total Plate Count (TPC)	SNI ISO 4833-1:2015			
Yeast and Mold	SNI ISO 21527-2:2012			



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Chemistry/Biology	Coffee Premix Ready to Drink Coffee	Salmonella	SNI ISO 6579:2015		
		Color	SNI 01-2891-1992 point 1.2		
		Odor			
		Taste			
		Caffeine	18-5-22/MU/SMM-SIG (HPLC)		
		Lead (Pb), Tin (Sn)	18-13-14/MU/SMM-SIG (ICP-MS)		
			18-13-1/MU/SMM-SIG (ICP-OES)		
		Arsenic (As)	18-13-14/MU/SMM-SIG (ICP-MS)		
			18-4-29/MU/SMM-SIG (AAS-HVG)		
		Sodium Saccharine	18-5-18/MU/SMM-SIG (HPLC)		
		Cyclamate	18-5-31/MU/SMM-SIG (HPLC)		
		Brown HT	18-5-136/MU/SMM-SIG (HPLC)		
		Copper (Cu)	18-13-1/MU/SMM-SIG (ICP-OES)		
		Zinc (Zn)			
		Cadmium (Cd)	18-13-14/MU/SMM-SIG (ICP-MS)		
		Mercury (Hg)			
		Total Plate Count (TPC)	SNI ISO 4833-1:2015		
	Coliform	SNI ISO 4831:2012			
	Clostridium perfringens	SNI ISO 7937:2012			
	Staphylococcus aureus	SNI ISO 6888-1:2012			
	Honey	Odor		SNI 01-2891-1992 point 1.2	
				SNI 3545-2013 Appendix B.1	
		Taste		SNI 01-2891-1992 point 1.2	
				SNI 3545-2013 Appendix B.2	
		Color		SNI 01-2891-1992 point 1.2	
		Water Insoluble Matter		SNI 01-2891-1992 point 13	
		Diastase Activity		18-9-15/MU/SMM-SIG (Spectrophotometry)	
		Hydroxymethylfurfural (HMF)		AOAC 980.23, 2005	
		Moisture		AOAC 969.38 point B, 2005	
		Reducing Sugar (as Glucose)		18-8-8/MU/SMM-SIG (Luff Schroll)	
		Sucrose			
		Acidity		SNI 3545-2013 Appendix F	
		Water Insoluble Solid		SNI 3545 : 2013 Appendix 6.9	
Ash			SNI 3545 : 2013 Appendix 6.10		
Chloramphenicol			18-12-5/MU/SMM-SIG (LC-MSMS)		
Total Plate Count (TPC)			SNI ISO 4833-1:2015		
Coliform		SNI ISO 4831:2012			
Yeast and Mold		SNI ISO 21527-2:2012			

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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Honey	<i>Escherichia coli</i>	SNI ISO 7251:2012	
		<i>Salmonella</i>	SNI ISO 6579:2015	
		<i>Staphylococcus aureus</i>	SNI ISO 6888-1:2012	
Tea		Color (Brew)	SNI 3836-2013 Appendix A.2.1	
		Odor (Brew)	SNI 3836-2013 Appendix A.2.2	
		Taste (Brew)	SNI 3836-2013 Appendix A.2.3	
		Moisture	SNI 3836-2013 Appendix A.4	
		Water Extract of Tea	SNI 3836-2013 Appendix A.5	
		Ash	SNI 3836-2013 Appendix A.6	
		Water Soluble Ash from total ash	SNI 3836-2013 Appendix A.7	
		Ash (Acid Insoluble)	SNI 3836-2013 Appendix A.8	
		Alkalinity of Water Soluble Ash (as KOH)	SNI 3836-2013 Appendix A.9	
		Crude Fiber	18-11-111/MU/SMM-SIG (Gravimetry)	
		Odor	SNI 2980-2018 point A.2	
		Taste	SNI 2980-2018 point A.2	
		Color	SNI 2980-2018 point A.2	
		Fat (dried base)	18-8-5/MU/SMM-SIG (Gravimetry)	
Processed Cheese and Processed Cheddar Cheese		Total Solids	AOAC 990.19, 2005	
		Moisture	AOAC 926.08, 2008	
		Ash	SNI 01-2891-1992 point 6.1	
		Total Fat	18-8-5/MU/SMM-SIG point 3.2.2 (Gravimetry)	
		Protein	18-8-31/MU/SMM-SIG (Titrimetry)	
		Iron (Fe)	18-13-1/MU/SMM-SIG (ICP-OES)	
		Zinc (Zn)		
		Total Solids	AOAC 990.19, 2005	
		Phosphorus (P)	18-13-1/MU/SMM-SIG (ICP-OES)	
		Cheddar Cheese		
<i>Listeria monocytogenes</i>	SNI ISO 11290-2:2015			
Black Tea (in bags)		Color (Brew)	SNI 3753-2014 point A.2	
		Odor (Brew)		
		Taste (Brew)		
		Moisture	SNI 3753-2014 point A.3	
		Ash	SNI 3753-2014 point A.4	
		Water Soluble Ash from Total Ash	SNI 3753-2014 point A.5	
		Ash (Acid Insoluble)	SNI 3753-2014 point A.6	
		Alkalinity of Water Soluble Ash (as KOH)	SNI 3753-2014 point A.7	
		Crude Fiber	18-11-111/MU/SMM-SIG (Gravimetry)	
		Water Extract of Tea	SNI 3753-2014 point A.9	

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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Black Tea (in bags)	Polyphenols	18-9-20/MU/SMM-SIG (Spectrophotometry)	
		Odor	SNI 01-4292-1996 point 5.1	
		Taste		
		Color		
		Cacao Mass (Fat-Free) and Cocoa Solids	SNI 01-4292-1996 point 5.3	
		Milk Solid (Fat-Free)	SNI 21-4292-1996 point 5.4	
		Total Fat	18-8-5/MU/SMM-SIG (Gravimetry)	
		Total Sugar (Sucrose)	18-8-8/MU/SMM-SIG (Luff Schrool)	
	Cocoa Powder	Odor	SNI 3747-2013 point A.2	
		Taste		
		Color		
		Fineness, particle passing 200 Mesh sieve	SNI 3747-2013 point A.3	
		Stone Cell	SNI 3747-2013 point A.4	
		Moisture	SNI 3747-2013 point A.5	
		Total Fat	18-8-5/MU/SMM-SIG (Gravimetry)	
		Lead (Pb)	18-13-14/MU/SMM-SIG (ICP-MS)	
		Cadmium (Cd)		
		Tin (Sn)		
		Mercury (Hg)		
		Arsenic (As)		
		Total Plate Count (TPC)	SNI ISO 4833-1:2015	
		Enterobacteriaceae	SNI ISO 21528-2:2016	
		Yeast and Mold	SNI ISO 21527-2:2012	
	<i>Escherichia coli</i>	SNI ISO 7251:2012		
	Salmonella	SNI ISO 6579:2015		
	Salty Soy Sauce	Odor	SNI 3543.2-2013 point A.2	
		Taste		
		Protein	18-8-31/MU/SMM-SIG (Titrimetry)	
		NaCl	SNI 3543.2-2013 point A.4	
		pH	SNI 3543.2-2013 point A.5	
	Sweet Soy Sauce	Odor	SNI 3543.1-2013 point A.2	
		Taste		
		Protein	18-8-31/MU/SMM-SIG (Titrimetry)	
Total Sugar (Sucrose)		18-8-8/MU/SMM-SIG (Luff Schrool)		
pH		SNI 3543.1-2013 point A.5		
Sugar Confectionary (Soft Candy)	Odor	SNI 3547.2-2008 point B.2		
	Taste			
	Moisture	SNI 3547.2-2008 point B.3		

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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Sugar Confectionary (Soft Candy)	Ash	SNI 3547.2-2008 point B.4	
		Reducing Sugar	18-8-8/MU/SMM-SIG (Luff Schreel)	
		Sucrose		
	Whey Powder and whey products (except Whey Cheese)	Taurine	18-5-21/MU/SMM-SIG (HPLC)	
	Premix Milk & Flavored Powdered Cream (depending on the type of flavor), Premix Milk & Plain Powdered Cream	Total Solids	AOAC 941.08, 2005	
	Infant Formula	Vitamin B12	18-12-6/MU/SMM-SIG (LC-MSMS)	
		Saturated Fatty Acid	18-6-1/MU/SMM-SIG (GC)	
		Monounsaturated Fatty Acid (MUFA)		
		Polyunsaturated Fatty Acid (PUFA)		
		Cholesterol	18-6-5/MU/SMM-SIG (GC)	
		Choline	18-12-25/MU/SMM-SIG (LC-MSMS)	
		L-Carnitine		
	Flavored Milk Based Drinks	Melamine	18-12-1/MU/SMM-SIG (LC-MSMS)	
		Sodium Benzoate	18-5-18/MU/SMM-SIG (HPLC)	
		Potassium Sorbate		
		Acesulfame-K		
		Sodium Saccharine		
		Aspartame	18-5-3/MU/SMM-SIG (HPLC)	
	Cyclamate	18-5-31/MU/SMM-SIG (HPLC)		
	Flavored Fermented Milk Drinks, Lassi, Flavored Yoghurt Drinks, Acidified Milk, Low Fat Acidified Milk, Acidified Skimmed Milk, Fermented Milk, Fermented Skimmed Milk, Low Fat Fermented Milk, Yoghurt	Viscosity	18-11-11/MU/SMM-SIG (Viscosimeter)	
	Full Cream Milk Powder, Low Fat Milk Powder & Reduced-Fat Milk Powder	Vitamin C	18-5-19/MU/SMM-SIG (HPLC)	
		Fructose	18-5-15/MU/SMM-SIG (HPLC)	
		Glucose		
Sucrose				
Maltose				
Lactose				
L-Histidine		18-5-17/MU/SMM-SIG (UPLC)		
L-Serine				
L-Arginine				
Glycine				
L-Aspartic acid				
L-Glutamic Acid				
L-Threonine				

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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks	
Chemistry/Biology	Full Cream Milk Powder, Low Fat Milk Powder & Reduced-Fat Milk Powder	L-Alanine	18-5-17/MU/SMM-SIG (UPLC)		
		L-Proline			
		L-Cystine			
		L-Lysine HCl			
		L-Tyrosine			
		L-Methionine			
		L-Valine			
		L-Isoleusine			
		L-Leucine			
		L-Phenylalanine			
		L-Tryptophane			18-5-63/MU/SMM-SIG (HPLC)
		Glucosamine			18-5-56/MU/SMM-SIG (HPLC)
		Aflatoxin M1			18-5-58/MU/SMM-SIG (HPLC)
		Fluoride			18-6-21/MU/SMM-SIG (GC)
		2,3,7,8-TCDD	18-17-1/MU/SMM-SIG (GC-MSMS)		
		1,2,3,7,8-PCDD			
		1,2,3,4,7,8-HxCDD			
		1,2,3,6,7,8-HxCDD			
		1,2,3,7,8,9-HxCDD			
		1,2,3,4,6,7,8-HpCDD			
		Octachlorodibenzodioxin (OCDD)			
		2,3,7,8-TCDF			
		1,2,3,7,8-PCDF			
		2,3,4,7,8-PCDF			
		1,2,3,4,7,8-HxCDF			
		1,2,3,6,7,8-HxCDF			
		1,2,3,7,8,9-HxCDF			
		2,3,4,6,7,8-HxCDF			
		1,2,3,4,6,7,8-HpCDF			
		1,2,3,4,7,8,9-HpCDF			
		Octachlorodibenzofuran (OCDF)			
		Potassium (K)			18-13-1/MU/SMM-SIG (ICP-OES)
		Magnesium (Mg)			
Chromium (Cr)					
Aluminium (Al)					
Phosphorus (P)					
Selenium (Se)	18-13-14/MU/SMM-SIG (ICP-MS)				
Cadmium (Cd)					

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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Full Cream Milk Powder, Low Fat Milk Powder & Reduced-Fat Milk Powder	Lead (Pb)	18-13-14/MU/SMM-SIG (ICP-MS)	
		Manganese (Mn)	18-4-1/MU/SMM-SIG (AAS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Iron (Fe)	18-4-1/MU/SMM-SIG (AAS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Copper (Cu)	18-4-1/MU/SMM-SIG (AAS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Zinc (Zn)	18-4-1/MU/SMM-SIG (AAS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Tin (Sn)	18-4-1/MU/SMM-SIG (AAS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Molibdenum (Mo)	18-13-14/MU/SMM-SIG (ICP-MS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Mercury (Hg)	18-13-14/MU/SMM-SIG (ICP-MS)	
			18-4-28/MU/SMM-SIG (AAS-HVG)	
	Arsenic (As)	18-13-14/MU/SMM-SIG (ICP-MS)		
		18-4-29/MU/SMM-SIG (AAS-HVG)		
	Iodine	18-13-25/MU/SMM-SIG (ICP-MS)		
	SiO <sub>2</sub>	18-13-22/MU/SMM-SIG (ICP-OES)		
	Sweetened Condensed Milk, Vegetable Fat Sweetened Condensed Milk, Sweetened Thick Cream, Sweetened Thick Creamer, Sweetened Condensed Creamer, Khoa Condensed Milk	Total Sugar (Sucrose)	18-8-8/MU/SMM-SIG (Luff-Schroorl)	
		Tin (Sn)	18-4-1/MU/SMM-SIG (AAS)	
		Tin (Sn)	18-13-1/MU/SMM-SIG (ICP-OES)	
	Milk and Milk Products (Milk, Raw Milk, Pasteurized Milk, UHT Milk, Sterilized Milk, Low Fat Milk, Reconstituted Milk, Recombined Milk)	Manganese (Mn)	18-4-1/MU/SMM-SIG (AAS)	
		Iron (Fe)	18-4-1/MU/SMM-SIG (AAS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Copper (Cu)	18-4-1/MU/SMM-SIG (AAS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Zinc (Zn)	18-4-1/MU/SMM-SIG (AAS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Tin (Sn)	18-4-1/MU/SMM-SIG (AAS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Sodium (Na)	18-13-1/MU/SMM-SIG (ICP-OES)	
		Calcium (Ca)		
Odor		SNI 01-2891-1992 point 1.2		
Taste				
Color		SNI 01-2891-1992 point 1.2		
Moisture		SNI 01-2891-1992 point 5.1		

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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks	
Chemistry/Biology	Milk and Milk Products (Milk, Raw Milk, Pasteurized Milk, UHT Milk, Sterilized Milk, Low Fat Milk, Reconstituted Milk, Recombined Milk)	Ash	SNI 01-2891-1992 point 6.1		
		Total Fat	18-8-5/MU/SMM-SIG point 3.2.2 (Gravimetry)		
		Protein	18-8-31/MU/SMM-SIG (Titrimetry)		
		Carbohydrate (By difference)	18-8-9/MU/SMM-SIG (Calculation)		
		Solid-Not-Fat	AOAC 990.21, 2005		
		Vitamin A	18-5-1/MU/SMM-SIG (HPLC)		
		Vitamin E			
		Vitamin B1 (Thiamine)	18-5-2/MU/SMM-SIG (UPLC)		
		Vitamin B2 (Riboflavin)			
		Vitamin B9 (Folic Acid)	18-5-38/MU/SMM-SIG (UPLC)		
		Sunset Yellow Qualitative			
		Tartrazine Qualitative			
		Ponceau 4R Qualitative			
		Allura Red Qualitative			
	Carmoisine Qualitative				
	Dried Whey		Total Plate Count (TPC)		SNI ISO 4833-1:2015
			<i>Enterobacteriaceae</i>		SNI ISO 21528-2:2016
			<i>Salmonella</i>		SNI ISO 6579:2015
			<i>Staphylococcus aureus</i>		SNI ISO 6888-1:2012
	Ice Cream		Total Plate Count (TPC)		SNI ISO 4833-1:2015
			<i>Coliform</i>		SNI ISO 4831:2012
			<i>Enterobacteriaceae</i>		SNI ISO 21528-2:2016
			Yeast and Mold		BAM Chapter 18 (2001) SNI ISO 21527-2:2012
			<i>Escherichia coli</i>		SNI ISO 7251:2012
			<i>Salmonella</i>		SNI ISO 6579:2015
			<i>Staphylococcus aureus</i>		SNI ISO 6888-1:2012
			<i>Listeria monocytogenes</i>		SNI ISO 11290-1:2012 SNI ISO 11290-2:2015
Full Cream Milk Powder				Total Plate Count (TPC)	SNI ISO 4833-1:2015
	<i>Enterobacteriaceae</i>	SNI ISO 21528-2:2016			
	<i>Salmonella</i>	SNI ISO 6579:2015			
	<i>Staphylococcus aureus</i>	SNI ISO 6888-1:2012			
Milk		Total Plate Count (TPC)	SNI ISO 4833-1:2015		
		<i>Coliform</i>	SNI ISO 4831:2012		
		<i>Enterobacteriaceae</i>	SNI ISO 21528-1 : 2012		
		<i>Escherichia coli</i>	SNI ISO 7251:2012		
		<i>Salmonella</i>	SNI ISO 6579:2015		

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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Milk	<i>Staphylococcus aureus</i>	SNI ISO 6888-1:2012	
		<i>Listeria monocytogenes</i>	SNI ISO 11290-1:2012	
	Yoghurt	<i>Coliform</i>	SNI ISO 4831:2012	
		<i>Enterobacteriaceae</i>	SNI ISO 21528-2:2016	
		<i>Bifidobacteria</i>	ISO 29981:2010	
		<i>Lactobacillus acidophilus</i>	ISO 20128:2016	
		<i>Lactobacillus casei</i>	18-7-133/MU/SMM-SIG (Plate Count)	
		<i>Clostridium perfringens</i>	BAM Chapter 16 (2001) SNI ISO 7937:2012	
		<i>Bacillus cereus</i>	BAM Chapter 14 (2019) SNI ISO 7932:2012	
		<i>Salmonella</i>	SNI ISO 6579:2015	
		<i>Listeria monocytogenes</i>	SNI ISO 11290-1:2012	
		<i>Pseudomonas aeruginosa</i>	18-7-121/MU/SMM-SIG (Plate Count)	
	Cooking Oil, Vegetable Oil, Salad Oil, Ghee, Shortening, Butterfat Substitute	Odor	SNI 01-2891-1992 point 1.2	
		Taste		
		Color		
		Moisture	18-11-44/MU/SMM-SIG (Karl Fischer)	
		Free Fatty Acid	SNI 01-3555-1998 point 8	
		Acid Value	18-11-17/MU/SMM-SIG (Titrimetry)	
		Saponification Value	SNI 01-3555-1998 point 7	
		Water Activity	18-11-68/MU/SMM-SIG (AW meter)	
		Vitamin A	18-5-1/MU/SMM-SIG (HPLC)	
		Vitamin E		
		Saturated Fatty Acid	18-6-1/MU/SMM-SIG (GC)	
		Monounsaturated Fatty Acid (MUFA)		
		Polyunsaturated Fatty Acid (PUFA)		
		Butylated Hydroxyanisole (BHA)	18-5-55/MU/SMM-SIG (HPLC)	
		Butylated Hydroxytoluene (BHT)		
		Tertiary Butylhydroquinone (TBHQ)		
		3-mcpd	18-14-11/MU/SMM-SIG (GC-MS)	
		Sodium (Na)	18-13-1/MU/SMM-SIG (ICP-OES)	
		Manganese (Mn)	18-4-1/MU/SMM-SIG (AAS)	
		Iron (Fe)	18-4-1/MU/SMM-SIG (AAS) 18-13-1/MU/SMM-SIG (ICP-OES)	
		Copper (Cu)	18-4-1/MU/SMM-SIG (AAS)	
Copper (Cu)		18-13-1/MU/SMM-SIG (ICP-OES)		
Zinc (Zn)		18-4-1/MU/SMM-SIG (AAS)		



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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks	
Chemistry/Biology	Cooking Oil, Vegetable Oil, Salad Oil, Ghee, Shortening, Butterfat Substitute	Zinc (Zn)	18-13-1/MU/SMM-SIG (ICP-OES)		
		Cadmium (Cd)	18-13-14/MU/SMM-SIG (ICP-MS)		
			18-13-1/MU/SMM-SIG (ICP-OES)		
		Lead (Pb)	18-13-14/MU/SMM-SIG (ICP-MS)		
			18-13-1/MU/SMM-SIG (ICP-OES)		
		Tin (Sn)	18-4-1/MU/SMM-SIG (AAS)		
			18-13-14/MU/SMM-SIG (ICP-MS)		
			18-13-1/MU/SMM-SIG (ICP-OES)		
		Mercury (Hg)	18-13-14/MU/SMM-SIG (ICP-MS)		
			18-4-28/MU/SMM-SIG (AAS-HVG)		
		Arsenic (As)	18-13-14/MU/SMM-SIG (ICP-MS)		
			18-4-29/MU/SMM-SIG (AAS-HVG)		
		Crude Palm Oil (CPO), Crude Palm Kernel Oil (CPKO), Refined Bleached Deodorized Palm Kernel Oil (RBDPKO), Refined Bleached Deodorized (RBDPO), Palm Stearin, Raw Palm Stearin	Impurity 3-mcpd		SNI 01-2901-2006 point 5.3 18-14-11/MU/SMM-SIG (GC-MS)
		Fat Emulsion Products (Fat Content < 80%)	Total Fat		18-8-5/MU/SMM-SIG (Gravimetry)
	Iodine Value		AOAC 993.20, 2005		
	Peroxide Value		AOAC 965.33, 2005		
	Betacarotene		18-5-40/MU/SMM-SIG (HPLC)		
	Curcumin		18-5-12/MU/SMM-SIG (HPLC)		
	Butylated Hydroxyanisole (BHA)		18-5-55/MU/SMM-SIG (HPLC)		
	Butylated Hydroxytoluene (BHT)				
	Tertiary Butylhydroquinone (TBHQ)				
	Vegetable oil	Total Plate Count (TPC)	SNI ISO 4833-1:2015		
		Coliform	SNI ISO 4831:2012		
		<i>Enterobacteriaceae</i>	SNI ISO 21528-2:2016		
		<i>Escherichia coli</i>	SNI ISO 7251:2012		
		<i>Salmonella</i>	SNI ISO 6579:2015		
		<i>Staphylococcus aureus</i>	SNI ISO 6888-1:2012		
		Yeast and Mold	SNI ISO 21527-2:2012		
	Virgin Oil	Total Plate Count (TPC)	SNI ISO 4833-1:2015		
		Coliform	SNI ISO 4831:2012		
		<i>Escherichia coli</i>	SNI ISO 7251:2012		
		<i>Salmonella</i>	SNI ISO 6579:2015		
		<i>Staphylococcus aureus</i>	SNI ISO 6888-1:2012		
		Total Plate Count (TPC)	BAM Chapter 3 (2001)		
			SNI ISO 4833-1:2015		

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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks	
Chemistry/Biology	Margarine	<i>Coliform</i>	BAM Chapter 4 (2017) SNI ISO 4831:2012		
		<i>Enterobacteriaceae</i>	SNI ISO 21528-2:2016		
		Yeast and Mold	SNI ISO 21527-2:2012		
		<i>Escherichia coli</i>	BAM Chapter 4 (2017) SNI ISO 7251:2012		
		<i>Salmonella</i>	BAM Chapter 5 (2018) SNI ISO 6579:2015		
		<i>Staphylococcus aureus</i>	BAM Chapter 12 (2016) SNI ISO 6888-1:2012		
		Edible Ice	Odor	SNI 01-2891-1992 point 1.2	
			Taste		
			Color		
			Vitamin B2 (Riboflavin)	18-5-2/MU/SMM-SIG (UPLC)	
	Vitamin B9 (Folic Acid)		18-5-38/MU/SMM-SIG (UPLC)		
	Vitamin C		18-5-19/MU/SMM-SIG (HPLC)		
	Fructose		18-5-15/MU/SMM-SIG (HPLC)		
	Glucose				
	Sucrose				
	Maltose				
	Lactose				
	Curcumin		18-5-12/MU/SMM-SIG (HPLC)		
	Sodium Benzoate		18-5-18/MU/SMM-SIG (HPLC)		
	Potassium Sorbate				
	Acesulfame-K				
	Sodium Saccharine				
	Aspartame		18-5-3/MU/SMM-SIG (HPLC)		
	Cyclamate	18-5-31/MU/SMM-SIG (HPLC)			
	Qualitative Tartrazine	18-5-28/MU/SMM-SIG (HPLC)			
	Qualitative Ponceau 4R				
	Qualitative Sunset Yellow				
Qualitative Allura Red					
Qualitative Carmoisine					
Qualitative Brilliant Blue					
Tartrazine					
Sunset Yellow					
Allura Red					
Carmoisine					

**CONTINUOUS OF ANNEX TO ACCREDITATION LABORATORY CERTIFICATE NO. LP-184-IDN-SNI ISO/IEC 17025:2017 (ISO/IEC 17025:2017)**

Name of Laboratory : PT Saraswanti Indogenetech Address : Jl. Rasamala No. 20, Taman Yasmin Bogor Phone. (0251) 7532384	Issued on: 18 January 2021 Expired date: 17 January 2026
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Accreditation scope					
Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks	
Chemistry/Biology	Edible Ice	Ponceau 4R	18-5-28/MU/SMM-SIG (HPLC)		
		Sodium (Na)	18-13-1/MU/SMM-SIG (ICP-OES)		
		Potassium (K)			
		Magnesium (Mg)			
		Calcium (Ca)			
		Phosphorus (P)			
		Manganese (Mn)	18-4-1/MU/SMM-SIG (AAS)		
			18-13-1/MU/SMM-SIG (ICP-OES)		
		Iron (Fe)	18-4-1/MU/SMM-SIG (AAS)		
			18-13-1/MU/SMM-SIG (ICP-OES)		
		Copper (Cu)	18-4-1/MU/SMM-SIG (AAS)		
			18-13-1/MU/SMM-SIG (ICP-OES)		
		Zinc (Zn)	18-4-1/MU/SMM-SIG (AAS)		
			18-13-1/MU/SMM-SIG (ICP-OES)		
		Cadmium (Cd)	18-13-14/MU/SMM-SIG (ICP-MS)		
		Lead (Pb)	18-13-14/MU/SMM-SIG (ICP-MS)		
			18-13-1/MU/SMM-SIG (ICP-OES)		
	Tin (Sn)	18-4-1/MU/SMM-SIG (AAS)			
		18-13-14/MU/SMM-SIG (ICP-MS)			
		18-13-1/MU/SMM-SIG (ICP-OES)			
	Mercury (Hg)	18-13-14/MU/SMM-SIG (ICP-MS)			
		18-4-28/MU/SMM-SIG (AAS-HVG)			
	Arsenic (As)	18-13-14/MU/SMM-SIG (ICP-MS)			
		18-4-29/MU/SMM-SIG (AAS-HVG)			
	Ice Stick		Total Plate Count (TPC)		SNI ISO 4833-1:2015
			<i>Coliform</i>		SNI ISO 4831:2012
			Yeast and Mold		SNI ISO 21527-2:2012
<i>Escherichia coli</i>			SNI ISO 7251:2012		
<i>Salmonella</i>			SNI ISO 6579:2015		
<i>Staphylococcus aureus</i>			SNI ISO 6888-1:2012		
Ice Flake				Total Plate Count (TPC)	SNI 3554:2015 point 3.28.1
	<i>Coliform</i>	SNI 3554:2015 point 3.28.2			
	<i>Enterococci</i>	SNI 3554:2015 point 3.28.4			
	<i>Clostridium perfringens</i>	ISO 14189:2013			
	<i>Escherichia coli</i>	SNI 3554:2015 point 3.28.2			

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Name of Laboratory : PT Saraswanti Indogenetech Address : Jl. Rasamala No. 20, Taman Yasmin Bogor Phone. (0251) 7532384	Issued on: 18 January 2021 Expired date: 17 January 2026
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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Fruit Jam, Fruit Jelly, Fruit Pastry Filling, Marmalade, Manggo Chutney, Compote, Candied Fruit, Candied Fruit Peel, Fruit Puree, Fruit Paste, Fruit Sauce, Apple sauce, Fruit Topping, Raw Nata De Coco, Tamarind Concentrate, Tamarind Powder, Tamarind Toffee, Fruit Bars, Fruit Flour	Total Dissolved Solids	18-11-10/MU/SMM-SIG (Refractometry)	
		Vitamin C	18-5-19/MU/SMM-SIG (HPLC)	
		Sodium Benzoate	18-5-18/MU/SMM-SIG (HPLC)	
		Potassium Sorbate		
	Packaged Vegetable, Packaged Tomato, Packaged Sweet Corn, Canned Mushroom, Canned Asparagus, Canned Carrot, Canned Bamboo Shoot	Examination of Coffee Bags	SNI 01-2891-1992 point 1.1	
		Odor	SNI 01-2891-1992 point 1.2	
		Taste		
		Color		
		Drained Weight	SNI 01-2891-1992 point 2	
		Head Space	SNI 01-2891-1992 point 3	
		Vitamin A	18-5-1/MU/SMM-SIG (HPLC)	
		Vitamin E		
	Dried/Dehydrated Vegetable, Dried Chilli Pepper, Dried Mushroom, Dried Seaweed, Nori, Dried Salted Vegetable, Dried Beans, & Dried Peas	Qualitative Formaldehyde	18-11-5/MU/SMM-SIG (Kit)	
		Arsenic (As)	18-4-29/MU/SMM-SIG (AAS-HVG)	
	Vegetable, Fresh Legume & Grain	Cadmium (Cd)	18-13-14/MU/SMM-SIG (ICP-MS)	
		Lead (Pb)		
		Tin (Sn)		
		Mercury (Hg)		
		Arsenic (As)		
		Protein	18-8-31/MU/SMM-SIG (Titrimetry)	
		Aflatoxin B1	18-5-30/MU/SMM-SIG (HPLC)	
		Aflatoxin B2		
		Aflatoxin G1		
		Aflatoxin G2		
		Total Aflatoxins		
		Manganese (Mn)	18-4-1/MU/SMM-SIG (AAS)	
		Iron (Fe)		
Copper (Cu)				
Zinc (Zn)				
Cadmium (Cd)		18-13-1/MU/SMM-SIG (ICP-OES)		
Lead (Pb)				
Tin (Sn)	18-4-1/MU/SMM-SIG (AAS)			
Mercury (Hg)	18-4-28/MU/SMM-SIG (AAS-HVG)			
Seaweed (Nori)	Cadmium (Cd)	18-13-14/MU/SMM-SIG (ICP-MS)		
	Lead (Pb)	18-13-14/MU/SMM-SIG (ICP-MS)		

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Name of Laboratory : PT Saraswanti Indogenetech	Issued on: 18 January 2021
Address : Jl. Rasamala No. 20, Taman Yasmin Bogor	Expired date: 17 January 2026
Phone. (0251) 7532384	

**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Seaweed (Nori)	Mercury (Hg)	18-13-14/MU/SMM-SIG (ICP-MS)	
		Arsenic (As)		
		Arsenic (As)	18-4-33/MU/SMM-SIG (AAS-HVG)	
		Inorganic Arsenic		
	Fresh Fruit	Total Plate Count (TPC)	BAM Chapter 3 (2001)	
		Coliform	BAM Chapter 4 (2017)	
		Yeast and Mold	BAM Chapter 18 (2001)	
		<i>Clostridium perfringens</i>	BAM Chapter 16 (2001)	
		<i>Bacillus cereus</i>	BAM Chapter 14 (2019)	
		<i>Escherichia coli</i>	BAM Chapter 4 (2017)	
			SNI ISO 7251:2012	
		<i>Salmonella</i>	SNI ISO 6579:2015	
		<i>Staphylococcus aureus</i>	BAM Chapter 12 (2016)	
	Fresh Vegetable	Yeast and Mold	BAM Chapter 18 (2001)	
		<i>Clostridium perfringens</i>	BAM Chapter 16 (2001)	
		<i>Bacillus cereus</i>	BAM Chapter 14 (2019)	
		<i>Escherichia coli</i>	BAM Chapter 4 (2017)	
		<i>Escherichia coli</i>	SNI ISO 7251:2012	
		<i>Salmonella</i>	SNI ISO 6579:2015	
		<i>Staphylococcus aureus</i>	BAM Chapter 12 (2016)	
	Packaged Fruit	Total Plate Count (TPC)	SNI ISO 4833-1:2015	
		Coliform	SNI ISO 4831:2012	
		Enterobacteriaceae	SNI ISO 21528-2:2016	
		Yeast and Mold	SNI ISO 21527-2:2012	
		Thermophilic Aerobic Spore Count	18-7-119/MU/SMM-SIG (Plate Count)	
		<i>Clostridium perfringens</i>	SNI ISO 7937:2012	
		<i>Escherichia coli</i>	SNI ISO 7251:2012	
<i>Salmonella</i>		SNI ISO 6579:2015		
<i>Staphylococcus aureus</i>		SNI ISO 6888-1:2012		
		SNI ISO 4833-1:2015		
		SNI ISO 4831:2012		
Fruit Jam	Total Plate Count (TPC)	SNI ISO 4833-1:2015		
	Coliform	SNI ISO 4831:2012		
	Yeast and Mold	SNI ISO 21527-2:2012		
	Clostridium sp.	SNI ISO 15213:2017		
	<i>Escherichia coli</i>	SNI ISO 7251:2012		
	<i>Staphylococcus aureus</i>	SNI ISO 6888-1:2012		
Fruit Puree	Total Plate Count (TPC)	SNI ISO 4833-1:2015		
	Coliform	SNI ISO 4831:2012		
	Yeast and Mold	SNI ISO 21527-2:2012		

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Name of Laboratory : PT Saraswanti Indogenetech Address : Jl. Rasamala No. 20, Taman Yasmin Bogor Phone. (0251) 7532384	Issued on: 18 January 2021 Expired date: 17 January 2026
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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Fruit Puree	<i>Escherichia coli</i>	SNI ISO 7251:2012	
		<i>Salmonella</i>	SNI ISO 6579:2015	
		<i>Staphylococcus aureus</i>	SNI ISO 6888-1:2012	
	Nata De Coco	<i>Escherichia coli</i>	SNI ISO 7251:2012	
		<i>Salmonella</i>	SNI ISO 6579:2015	
	Banana Chips	Total Plate Count (TPC)	SNI ISO 4833-1:2015	
		Yeast and Mold	SNI ISO 21527-2:2012	
		<i>Escherichia coli</i>	SNI ISO 16649-2:2016	
	Frozen Potato	Total Plate Count (TPC)	SNI ISO 4833-1:2015	
		<i>Escherichia coli</i>	SNI ISO 7251:2012	
		<i>Salmonella</i>	SNI ISO 6579:2015	
		<i>Listeria monocytogenes</i>	SNI ISO 11290-2:2015	
	Peanuts	<i>Bacillus cereus</i>	SNI ISO 7932:2012	
	Peanut Butter	Total Plate Count (TPC)	SNI ISO 4833-1:2015	
		Yeast and Mold	SNI ISO 21527-2:2012	
		<i>Salmonella</i>	SNI ISO 6579:2015	
	Kimchi	<i>Escherichia coli</i>	SNI ISO 7251:2012	
		<i>Salmonella</i>	SNI ISO 6579:2015	
	Cocoa Powder, Breakfast Cocoa, Medium Fat Cocoa, Low Fat Cocoa, Cocoa Dust, Fine Cocoa Powder, & Cacao Nibs	Water Activity	18-11-68/MU/SMM-SIG (AW meter)	
		Tin (Sn)	18-13-14/MU/SMM-SIG (ICP-MS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Cadmium (Cd)	18-13-14/MU/SMM-SIG (ICP-MS)	
		Lead (Pb)		
Mercury (Hg)				
Soft Candy		Arsenic (As)		
	Tartrazine Lake	18-5-59/MU/SMM-SIG (HPLC)		
	Sunset Yellow Lake			
	Ponceau 4R Lake			
	Briliant Blue Lake			
	Titanium Dioxide (TiO <sub>2</sub> )	18-13-1/MU/SMM-SIG (ICP-OES)		
Hard Candy	Odor	SNI 01-2891-1992 point 1.2		
	Taste			
	Color			
	Moisture	SNI 3547.1-2008		
	Ash	SNI 3547.1-2008 point B.4		
	Ash	SNI 01-2891-1992 point 6.1		
	Reducing Sugar	18-8-8/MU/SMM-SIG (Luff-Schroorl)		
	Total Sugar (Sucrose)	18-8-8/MU/SMM-SIG (Luff-Schroorl)		

**CONTINUOUS OF ANNEX TO ACCREDITATION LABORATORY CERTIFICATE NO. LP-184-IDN-SNI ISO/IEC 17025:2017 (ISO/IEC 17025:2017)**

Name of Laboratory : PT Saraswanti Indogenetech Address : Jl. Rasamala No. 20, Taman Yasmin Bogor Phone. (0251) 7532384	Issued on: 18 January 2021 Expired date: 17 January 2026
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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks	
Chemistry/Biology	Hard Candy	Curcumin	18-5-12/MU/SMM-SIG (HPLC)		
		Acesulfame-K	18-5-18/MU/SMM-SIG (HPLC)		
		Aspartame	18-5-3/MU/SMM-SIG (HPLC)		
		Cyclamate	18-5-31/MU/SMM-SIG (HPLC)		
		Qualitative Allura Red	18-5-28/MU/SMM-SIG (HPLC)		
		Qualitative Ponceau 4R			
		Qualitative Brilliant Blue			
		Qualitative Sunset Yellow			
		Qualitative Tartrazine			
		Tartrazine			
		Erythrosine			
		Brilliant Blue	18-13-20/MU/SMM-SIG (ICP-OES)		
		Indigotine			
		Sodium Copper Chlorophyllin as Cu			
		Manganese (Mn)			18-4-1/MU/SMM-SIG (AAS)
		Copper (Cu)			
		Zinc (Zn)			
		Tin (Sn)			
		Mercury (Hg)	18-4-28/MU/SMM-SIG (AAS-HVG)		
		Arsenic (As)	18-4-29/MU/SMM-SIG (AAS-HVG)		
		Total Plate Count (TPC)	SNI ISO 4833-1:2015		
		<i>Coliform</i>	SNI ISO 4831:2012		
		<i>Enterobacteriaceae</i>	SNI ISO 21528-2:2016		
	Yeast and Mold	SNI ISO 21527-2:2012			
	<i>Escherichia coli</i>	SNI ISO 7251:2012			
	<i>Salmonella</i>	SNI ISO 6579:2015			
	<i>Staphylococcus aureus</i>	SNI ISO 6888-1:2012			
	Cocoa Mass and Chocolate Liquor, Cocoa Press Cake, Drinking Cocoa, Drinking Chocolate, Instant Chocolate	Vitamin A	18-5-1/MU/SMM-SIG (HPLC)		
		Vitamin E			
		Vitamin B1 (Thiamine)	18-5-2/MU/SMM-SIG (UPLC)		
		Vitamin B2 (Riboflavin)			
		Vitamin B9 (Folic Acid)			
	Vitamin C	18-5-38/MU/SMM-SIG (UPLC)			
Cacao Products & Chocolate	Moisture	AOAC 931.04, 2008			
	Quinoline Yellow	18-5-28-7/MU/SMM-SIG (HPLC)			
Chocolate Paste	Total Plate Count (TPC)	SNI ISO 4833-1:2015			
	<i>Coliform</i>	SNI ISO 4831:2012			
	Yeast and Mold	SNI ISO 21527-2:2012			

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Name of Laboratory : PT Saraswanti Indogenetech Address : Jl. Rasamala No. 20, Taman Yasmin Bogor Phone. (0251) 7532384	Issued on: 18 January 2021 Expired date: 17 January 2026
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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks	
Chemistry/Biology	Chocolate Paste	<i>Salmonella</i>	SNI ISO 6579:2015		
	Chocolate Vermicelli/ Chocolate Flakes	<i>Yeast and Mold</i>	SNI ISO 21527-2:2012		
	Chocolate Drops		Total Plate Count (TPC)	SNI ISO 4833-1:2015	
			<i>Enterobacteriaceae</i>	SNI ISO 21528-2:2016	
			<i>Yeast and Mold</i>	SNI ISO 21527-2:2012	
			<i>Salmonella</i>	SNI ISO 6579:2015	
	Soft Candy (not Jelly)		Total Plate Count (TPC)	SNI ISO 4833-1:2015	
			<i>Enterobacteriaceae</i>	SNI ISO 21528-2:2016	
			<i>Yeast and Mold</i>	SNI ISO 21527-2:2012	
			<i>Salmonella</i>	SNI ISO 6579:2015	
	Whole Grain		Moisture	SNI 01-2891-1992 point 5.1	
			Carbohydrate by Difference	18-8-9/MU/SMM-SIG (Calculation)	
			Cadmium (Cd)	18-13-14/MU/SMM-SIG (ICP-MS)	
			Lead (Pb)		
			Tin (Sn)		
			Mercury (Hg)		
			Arsenic (As)	18-13-15/MU/SMM-SIG (LC ICP-MS)	
			Arsen valensi III / As(III)		
			Arsen Valensi V / As(V)		
			Arsenobetaine (AsB)		
	DMA (Dimethylarsenic Acid)				
	Complementary Feeding Stuff (Instant Powder, Ready to Eat, Ready to Cook, and Biscuit)	Vitamin C	18-5-19/MU/SMM-SIG (HPLC)		
	Instant Noodle, Macaroni (Pasta), Wheat Noodle, Instant Rice Vermicelli Noodle, Kwetiau, Instant Macaroni, Cooked Wet Noodle, Instant Rice, Instant Cereals Porridge, Glass Noodle, Rice Vermicelli Noodle		Manganese (Mn)	18-4-1/MU/SMM-SIG (AAS)	
			Iron (Fe)		
			Copper (Cu)		
			Zinc (Zn)		
			Tin (Sn)		
Cadmium (Cd)			18-13-1/MU/SMM-SIG (ICP-OES)		
Lead (Pb)					
Mercury (Hg)				18-4-28/MU/SMM-SIG (AAS-HVG)	
Arsenic (As)				18-4-29/MU/SMM-SIG (AAS-HVG)	
Meat authenticity (Porcine DNA Identification)				18-11-47/MU/SMM-SIG (PCR)	
Pasta, Pre-cooked Noodle, & similar products		Carbonate, Bicarbonate	18-11-182/MU/SMM-SIG (Titrimetry)		
		Cholesterol	18-6-5/MU/SMM-SIG (GC)		
		Total Carotene	18-9-16/MU/SMM-SIG (Spectrophotometry)		
Refined Cereal Product		Odor	SNI 01-2891-1992 point 1.2		
		Taste	SNI 01-2891-1992 point 1.2		



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Name of Laboratory : PT Saraswanti Indogenetech Address : Jl. Rasamala No. 20, Taman Yasmin Bogor Phone. (0251) 7532384	Issued on: 18 January 2021 Expired date: 17 January 2026
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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Refined Cereal Product	Color	SNI 01-2891-1992 point 1.2	
		Vitamin B9 (Folic Acid)	18-5-38/MU/SMM-SIG (UPLC)	
		Cholesterol	18-6-5/MU/SMM-SIG (GC)	
		Aspartame	18-5-3/MU/SMM-SIG (HPLC)	
	Wheat Flour, Self-Raising Wheat Flour, Chlorinated Wheat Flour, Protein Fortified Wheat Flour, Wholemeal Wheat Flour	Ash	SNI 01-2891-1992 point 6.1	
		Protein	18-8-31/MU/SMM-SIG (Titrimetry)	
		Iron (Fe)	18-13-1/MU/SMM-SIG (ICP-OES)	
		Zinc (Zn)		
		Vitamin B1 (Thiamine)	18-5-2/MU/SMM-SIG (UPLC)	
		Vitamin B2 (Riboflavin)		
		Aflatoxin B1	18-12-27/MU/SMM-SIG (LC-MSMS)	
		Aflatoxin B2		
		Aflatoxin G1		
		Aflatoxin G2		
		Total Aflatoxins		
		Ochratoxin A	18-12-27/MU/SMM-SIG (LC-MSMS)	
		Deoxynivalenol (DON)	18-5-36/MU/SMM-SIG (HPLC)	
			18-5-37/MU/SMM-SIG (HPLC)	
	Aflatoxin M1	18-12-27/MU/SMM-SIG (LC-MSMS)		
		18-12-27/MU/SMM-SIG (LC-MSMS)		
	Refined Cereal Product	Total Plate Count (TPC)	SNI ISO 4833-1:2015	
		<i>Enterobacteriaceae</i>	SNI ISO 21528-2:2016	
		Yeast and Mold	SNI ISO 21527-2:2012	
		<i>Bacillus cereus</i>	SNI ISO 7932:2012	
		<i>Salmonella</i>	SNI ISO 6579:2015	
	Pasta & Noodle	<i>Salmonella</i>	SNI ISO 6579:2015	
	Macaroni	Total Plate Count (TPC)	SNI ISO 4833-1:2015	
		Yeast and Mold	SNI ISO 21527-2:2012	
		<i>Escherichia coli</i>	SNI ISO 7251:2012	
		<i>Salmonella</i>	SNI ISO 6579:2015	
	Dried Pasta & Noodle	Total Plate Count (TPC)	SNI ISO 4833-1:2015	
		Yeast and Mold	SNI ISO 21527-2:2012	
		<i>Salmonella</i>	SNI ISO 6579:2015	
Soybean Drink Powder	Total Plate Count (TPC)	SNI ISO 4833-1:2015		
	<i>Enterobacteriaceae</i>	SNI ISO 21528-2:2016		
	<i>Salmonella</i>	SNI ISO 6579:2015		
	<i>Staphylococcus aureus</i>	SNI ISO 6888-1:2012		

**CONTINUOUS OF ANNEX TO ACCREDITATION LABORATORY CERTIFICATE NO. LP-184-IDN-SNI ISO/IEC 17025:2017 (ISO/IEC 17025:2017)**

Name of Laboratory : PT Saraswanti Indogenetech	Issued on: 18 January 2021
Address : Jl. Rasamala No. 20, Taman Yasmin Bogor	Expired date: 17 January 2026
Phone. (0251) 7532384	

Accreditation scope				
Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Biscuit (Sweet) or Cookies, or Sweet Crackers, Marie Biscuit, Coated Marie Biscuit, Bagel Bread, Coated Biscuit, Biscuit Stick	Moisture	SNI 01-2891-1992 point 5.1	
		Ash	SNI 01-2891-1992 point 6.1	
		Protein	18-8-31/MU/SMM-SIG (Titrimetry)	
		Carbohydrate by Difference	18-8-9/MU/SMM-SIG (Calculation)	
		Dietary Fiber	18-8-6-2/MU/SMM-SIG (Enzymatic Gravimetry)	
		Crude Fiber	18-11-111/MU/SMM-SIG (Gravimetry)	
		Vitamin A	18-5-1/MU/SMM-SIG (HPLC)	
		Vitamin E		
		Gluten Allergen	18-11-176/MU/SMM-SIG (Test Kit)	
		Soy Allergen	18-11-197/MU/SMM-SIG (Test Kit)	
		Fluoride	18-6-21/MU/SMM-SIG (GC)	
		Calcium (Ca)	18-13-1/MU/SMM-SIG (ICP-OES)	
		Manganese (Mn)	18-4-1/MU/SMM-SIG (AAS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Iron (Fe)	18-4-1/MU/SMM-SIG (AAS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Copper (Cu)	18-4-1/MU/SMM-SIG (AAS)	
		Zinc (Zn)		
		Cadmium (Cd)	18-13-14/MU/SMM-SIG (ICP-MS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Lead (Pb)	18-13-14/MU/SMM-SIG (ICP-MS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Tin (Sn)	18-13-14/MU/SMM-SIG (ICP-MS)	
		18-13-1/MU/SMM-SIG (ICP-OES)		
	Mercury (Hg)	18-13-14/MU/SMM-SIG (ICP-MS)		
		18-4-28/MU/SMM-SIG (AAS-HVG)		
	Arsenic (As)	18-13-14/MU/SMM-SIG (ICP-MS)		
		18-4-29/MU/SMM-SIG (AAS-HVG)		
	Cake, Cookies, Pie, Butter Cake, Cheese Cake, Pound Cake or Quatre Quarts, Apple Pie, Bagel Bread, Wafer, Wafer Roll, Coated Wafer, Sugar Cookie, Oatmeal Cookie, <i>Bika Ambon, Serabi, Pukis, Kue Cucur, Cerabikang, Cakue, Kue Bantal, Kue Ape</i> , Egg Roll	Vitamin A	18-5-1/MU/SMM-SIG (HPLC)	
		Vitamin E		
		Sodium Benzoate	18-5-18/MU/SMM-SIG (HPLC)	
		Potassium Sorbate		
		Tartrazine	18-5-28/MU/SMM-SIG (HPLC)	
Sunset Yellow				
Allura Red				
Carmoisine				
Ponceau 4R				

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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Other special bakery products (e.g. Doughnut, Sweet Roll, Scones, & Muffin)	Propionic Acid	18-6-11/MU/SMM-SIG (GC)	
	Fruit Loaf/Raisin Bread, Fortified Bread, Roll Bread, White Bread, Peeled White Bread, Milk Bread, Milk Roll, Milk Bun, Wheat Germ Bread, Meal Bread, Whole Meal Bread, Whole Wheat Bread, Rye Bread, Pumpernickel Bread	Odor	SNI 01-2891-1992 point 1.2	
		Taste		
		Color		
		Copper (Cu)	18-13-1/MU/SMM-SIG (ICP-OES)	
		Zinc (Zn)		
		Tin (Sn)	18-4-1/MU/SMM-SIG (AAS)	
	White Bread	Total Plate Count (TPC)	SNI ISO 4833-1:2015	
		<i>Enterobacteriaceae</i>	SNI ISO 21528-2:2016	
		Yeast and Mold	SNI ISO 21527-2:2012	
		<i>Escherichia coli</i>	SNI ISO 7251:2012	
		<i>Salmonella</i>	SNI ISO 6579:2015	
	Cake Premix	Total Plate Count (TPC)	SNI ISO 4833-1:2015	
		<i>Enterobacteriaceae</i>	SNI ISO 21528-2:2016	
		Yeast and Mold	SNI ISO 21527-2:2012	
		<i>Salmonella</i>	SNI ISO 6579:2015	
	Indonesian Typical Processed Meat, Cooked Cured Beef Shank, Undercooked Beef Chuck, Canned Chicken Meat, Tsukudani, Indonesian Typical Processed Meat Fillet, Coated And Marinated Meat Products, Packaged Meat with Broth, Canned Meat without Broth, Cooked Cure Meat	Moisture	SNI 7474-2009 point B.4	
	Meat, Poultry, Game Meat (Grounded, Processed, and Freezed)	Moisture	SNI 3818:2014 point A.3 SNI 6683:2014 point A.4	
		Residual Sulfites	18-11-26/MU/SMM-SIG (Titrimetry)	
		Examination of Canned Foods	SNI 01-2891-1992 point 1.1	
	Meat, Poultry, Game Meat (Grounded and Processed by Heat Treated)	Odor	SNI 01-2891-1992 point 1.2	
		Taste		
		Color		
Moisture		SNI 3820:2015 point A.3		
Ash		SNI 01-2891-1992 point 6.1		
Total Fat		18-8-5/MU/SMM-SIG point 3.2.2 (Gravimetry)		
Protein		18-8-31/MU/SMM-SIG (Titrimetry)		
Carbohydrate by Difference		18-8-9/MU/SMM-SIG (Calculation)		
Sodium Chloride		18-11-7/MU/SMM-SIG (Titrimetry)		
Vitamin B1 (Thiamine)		18-5-2/MU/SMM-SIG (UPLC)		
Vitamin B2 (Riboflavin)		18-5-2/MU/SMM-SIG (UPLC)		

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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Meat, Poultry, Game Meat (Grounded and Processed by Heat Treated)	Vitamin A	18-5-1/MU/SMM-SIG (HPLC)	
		Vitamin E		
		L-Histidine	18-5-17/MU/SMM-SIG (UPLC)	
		L-Serine		
		L-Arginine		
		Glycine		
		L-Aspartic acid		
		L-Glutamic Acid		
		L-Threonine		
		L-Alanine		
		L-Proline		
		L-Cystine		
		L-Lysine HCl		
		L-Tyrosine		
		L-Methionine		
		L-Valine		
		L-Isoleusine		
		L-Leucine		
		L-Phenylalanine		
		L-Tryptophane	18-5-63/MU/SMM-SIG (HPLC)	
		Sodium Benzoate	18-5-18/MU/SMM-SIG (HPLC)	
		Potassium Sorbate		
		Carmoisine	18-5-28/MU/SMM-SIG (HPLC)	
		Tartrazine		
		Sunset Yellow		
		Allura Red		
		Ponceau 4R		
		Qualitative Formaldehyde	18-11-5/MU/SMM-SIG (Kit)	
		Magnesium (Mg)	18-13-1/MU/SMM-SIG (ICP-OES)	
		Calcium (Ca)		
Manganese (Mn)	18-4-1/MU/SMM-SIG (AAS)			
Iron (Fe)	18-4-1/MU/SMM-SIG (AAS)			
	18-13-1/MU/SMM-SIG (ICP-OES)			
Copper (Cu)	18-4-1/MU/SMM-SIG (AAS)			
	18-13-1/MU/SMM-SIG (ICP-OES)			
Zinc (Zn)	18-4-1/MU/SMM-SIG (AAS)			
	18-13-1/MU/SMM-SIG (ICP-OES)			
Tin (Sn)	18-4-1/MU/SMM-SIG (AAS)			

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Accreditation scope					
Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks	
Chemistry/Biology	Meat, Poultry, Game Meat (Grounded and Processed by Heat Treated)	Tin (Sn)	18-13-1/MU/SMM-SIG (ICP-OES)		
		Phosphorus (P)	18-13-1/MU/SMM-SIG (ICP-OES)		
		Cadmium (Cd)			
		Lead (Pb)			
		Mercury(Hg)	18-4-28/MU/SMM-SIG (AAS-HVG)		
		Arsenic (As)	18-4-29/MU/SMM-SIG (AAS-HVG)		
		Meat authenticity (Porcine DNA Identification)	18-11-47/MU/SMM-SIG (PCR)		
	Meat Floss		<i>Clostridium perfringens</i>		SNI ISO 7937:2012
			<i>Escherichia coli</i>		SNI ISO 16649-2:2016
			<i>Escherichia coli</i>		SNI ISO 7251:2012
			<i>Salmonella</i>		SNI ISO 6579:2015
			<i>Staphylococcus aureus</i>		SNI ISO 6888-1:2012
	Corned Meat		Thermophilic Aerobic Spore Count		SNI 01-3775-2016 point B.9.6
	Meat Ball		Total Plate Count (TPC)		SNI ISO 4833-1:2015
			<i>Coliform</i>		SNI ISO 4831:2012
			<i>Enterobacteriaceae</i>		SNI ISO 21528-2:2016
			Yeast and Mold		SNI ISO 21527-2:2012
			<i>Clostridium perfringens</i>		SNI ISO 7937:2012
			<i>Escherichia coli</i>		SNI ISO 7251:2012
			<i>Salmonella</i>		SNI ISO 6579:2015
			<i>Staphylococcus aureus</i>		SNI ISO 6888-1:2012
			<i>Listeria monocytogenes</i>		SNI ISO 11290-1:2012
			<i>Vibrio cholerae</i>		SNI ISO/TS 21872-1:2015
			<i>Vibrio parahaemolyticus</i>		SNI ISO/TS 21872-1:2015
	Preserved Fish and Fishery Product		Examination of Canned Foods		SNI 01-2891-1992 point 1.1
			Odor		SNI 01-2891-1992 point 1.2
			Taste		
		Color			
		Drained Weight	SNI 2372.2:2011		
		Head Space	SNI 01-2372.4-2006 point 5		
Fresh Fish			Total Volatile Base Nitrogen (TVBN)	18-11-125/MU/SMM-SIG (Titrimetry)	
		TMAN	18-11-200/MU/SMM-SIG (Titrimetry)		
		Qualitative Formaldehyde	18-11-5/MU/SMM-SIG (Kit)		
		Formaldehyde	18-5-19/MU/SMM-SIG (HPLC)		
		Histamine	18-5-49/MU/SMM-SIG (HPLC)		
		Brilliant Green	18-12-22/MU/SMM-SIG (LC-MSMS)		
		Crystal Violet			

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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks	
Chemistry/Biology	Fresh Fish	Leuco Crystal Violet	18-12-22/MU/SMM-SIG (LC-MSMS)		
		Leuco Malachite Green			
		Malachite Green			
		Tetracycline HCl	18-12-7/MU/SMM-SIG (LC-MSMS)		
		Chlortetracycline			
		Oxytetracycline			
		Manganese (Mn)	18-4-1/MU/SMM-SIG (AAS)		
		Iron (Fe)			
		Copper (Cu)			
		Zinc (Zn)	18-13-1/MU/SMM-SIG (ICP-OES)		
		Phosphorus (P)			
		Cadmium (Cd)			
		Lead (Pb)	18-13-14/MU/SMM-SIG (ICP-MS)		
					18-13-1/MU/SMM-SIG (ICP-OES)
		Tin (Sn)	18-13-14/MU/SMM-SIG (ICP-MS)		
					18-4-1/MU/SMM-SIG (AAS)
		Mercury (Hg)	18-4-28/MU/SMM-SIG (AAS-HVG)		
	18-13-14/MU/SMM-SIG (ICP-MS)				
	Arsenic (As)	18-4-29/MU/SMM-SIG (AAS-HVG)			
			18-13-14/MU/SMM-SIG (ICP-MS)		
	Frozen Fish, Fish Fillet & Other Fishery Products (Frozen Molluscs, Crustacea, & Echinodermata)	Protein	18-8-31/MU/SMM-SIG (Titrimetry)		
	Fresh Molluscs, Crustacea, and Echinodermata	Chloramphenicol	18-12-5/MU/SMM-SIG (LC-MSMS)		
	Frozen Shrimp/ Prawn	Total Plate Count (TPC)	SNI 2332.3:2015		
			SNI ISO 4833-1:2015		
			<i>Coliform</i>		SNI 2332.1:2015
			Yeast and Mold		SNI 2332.7:2015
			Thermophilic Aerobic Spore Count		18-7-119/MU/SMM-SIG (Plate Count)
<i>Escherichia coli</i>			SNI 2332.1:2015		
			SNI ISO 7251:2012		
<i>Salmonella</i>			SNI 01-2332-2-2006		
			SNI ISO 6579:2015		
<i>Staphylococcus aureus</i>			SNI 2332.9-2015		
<i>Listeria monocytogenes</i>			SNI ISO 11290-1:2012		
<i>Vibrio cholerae</i>	SNI 01-2332.4 : 2006				
<i>Vibrio parahaemolyticus</i>	SNI 01-2332.5 : 2006				
Shrimp/ Prawn Cracker	<i>Shigella</i>	SNI ISO 21567 : 2017			

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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks	
Chemistry/Biology	Raw Egg (whole)	Total Plate Count (TPC)	SNI ISO 4833-1:2015		
		<i>Coliform</i>	SNI ISO 4831:2012		
<i>Enterobacteriaceae</i>		SNI ISO 21528-2:2016			
Yeast and Mold		BAM Chapter 18 (2001) SNI ISO 21527-2:2012			
<i>Escherichia coli</i>		SNI ISO 7251:2012			
<i>Salmonella</i>		SNI ISO 6579:2015			
<i>Staphylococcus aureus</i>		SNI ISO 6888-1:2012			
Raw Egg		Raw Egg	Odor		SNI 01-2891-1992 point 1.2
			Taste		
			Color		
	Protein		18-8-31/MU/SMM-SIG (Titrimetry)		
	Vitamin A		18-5-1/MU/SMM-SIG (HPLC)		
	Vitamin E				
	Vitamin B1 (Thiamine)		18-5-2/MU/SMM-SIG (UPLC)		
	Vitamin B2 (Riboflavin)				
	Vitamin B9 (Folic Acid)		18-5-38/MU/SMM-SIG (UPLC)		
	Vitamin C		18-5-19/MU/SMM-SIG (HPLC)		
	Cholesterol		18-6-5/MU/SMM-SIG (GC)		
	Sodium (Na)		18-13-1/MU/SMM-SIG (ICP-OES)		
	Potassium (K)				
	Magnesium (Mg)				
	Calcium (Ca)				
	Manganese (Mn)		18-4-1/MU/SMM-SIG (AAS) 18-13-1/MU/SMM-SIG (ICP-OES)		
	Iron (Fe)		18-4-1/MU/SMM-SIG (AAS) 18-13-1/MU/SMM-SIG (ICP-OES)		
	Copper (Cu)		18-4-1/MU/SMM-SIG (AAS) 18-13-1/MU/SMM-SIG (ICP-OES)		
	Zinc (Zn)		18-4-1/MU/SMM-SIG (AAS) 18-13-1/MU/SMM-SIG (ICP-OES)		
	Phosphorus (P)		18-13-1/MU/SMM-SIG (ICP-OES)		
Cadmium (Cd)	18-13-14/MU/SMM-SIG (ICP-MS) 18-13-1/MU/SMM-SIG (ICP-OES)				
Lead (Pb)	18-13-14/MU/SMM-SIG (ICP-MS) 18-13-1/MU/SMM-SIG (ICP-OES)				

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Accreditation scope					
Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks	
Chemistry/Biology	Raw Egg	Tin (Sn)	18-4-1/MU/SMM-SIG (AAS) 18-13-14/MU/SMM-SIG (ICP-MS) 18-13-1/MU/SMM-SIG (ICP-OES)		
		Mercury (Hg)	18-13-14/MU/SMM-SIG (ICP-MS) 18-4-28/MU/SMM-SIG (AAS-HVG)		
		Arsenic (As)	18-13-14/MU/SMM-SIG (ICP-MS) 18-4-29/MU/SMM-SIG (AAS-HVG)		
		Custard Flour	Total Plate Count (TPC)		SNI ISO 4833-1:2015
			<i>Coliform</i>		SNI ISO 4831:2012
			<i>Enterobacteriaceae</i>		SNI ISO 21528-2:2016
	<i>Escherichia coli</i>		SNI ISO 7251:2012		
	<i>Salmonella</i>		SNI ISO 6579:2015		
	<i>Staphylococcus aureus</i>		SNI ISO 6888-1:2012		
	Sugar and Syrups	Specific Gravity	SNI 01-2891-1992 point 17.2		
		Water Activity	18-11-68/MU/SMM-SIG (AW meter)		
		Viscosity	18-11-11/MU/SMM-SIG (Viscosmeter)		
		Manganese (Mn)	18-4-1/MU/SMM-SIG (AAS)		
		Iron (Fe)			
		Copper (Cu)			
		Zinc (Zn)			
		Tin (Sn)			
		Mercury (Hg)	18-4-28/MU/SMM-SIG (AAS-HVG)		
		Arsenic (As)	18-4-29/MU/SMM-SIG (AAS-HVG)		
	White Crystal Sugar	Solution Color	SNI 3140.3 2010 point 7.3. ICUMSA		
		Solution Color	SNI 3140.2 2011 point A.6. ICUMSA		



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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks	
Chemistry/Biology	Garlic, Shallot, Chives, Celery Seed, Mustard Seed, Mustard Powder, Javanese Long Pepper, Red Chilli Pepper, Chilli Paste, Chilli Powder, Dill Seed, Anise, Dill, Star Anise, Ender, Dill Weed, Fenugreek, Fenugreek Powder, Fenugreek Seed, Fenugreek Seed Powder, Dried Mace, Mace Powder, Raw Ginger, Dried Ginger, Ginger Puree, Ginger Powder, Caraway, Caraway Powder, Aniseed/sweet cumin, Black Cumin Seed, Black Cumin Seed Powder, Cumin, Cumin Powder, Cardamom (Ammomum), Cardamom Seed (Ammomum), Siam Cardamom (Ammomum), Indian Cardamom (Elettaria), Cardamom Seed (Elettaria), Cardamom Powder (Elettaria), Cinnamon, Cinnamon Powder, Candlenut with Shell, Candlenut, Candlenut Powder, Aromatic Ginger, Aromatic Ginger Powder, Coriander Seed, Coriander (Cilantro), Coriander Seed Powder, Pangli Nut, Turmeric, Turmeric Powder, Black Pepper, Black Pepper Powder, Pepper, Pepper Powder, Mix Pepper Powder, Andaliman, Galangal, Galangal Powder, Torch Ginger/ red ginger lily, Marjoram, Mint, Onion, Onion Powder, Oregano, Nutmeg, Distilled Nutmeg, Nutmeg Powder, Parsley, Bell Pepper Powder, Sweet Bell Pepper Powder, Rosemary, Sage, Saffron, Fingerroot, Tarragon, Thyme	Volatile Oil Content	ISO 6571-2008		
		Piperine	SNI 0004-2013 point J		
		Piperine	SNI 0005-2013 point I		
		Sudan I	18-5-44/MU/SMM-SIG (HPLC)		
		Sudan II			
		Sudan III			
		Sudan IV			
		Beef Extract, Beef Flavor Seasoning, Chicken Meat Extract, Chicken Meat Flavor Seasoning, Meat Extract Paste (e.g. Beef Extract Paste dan Chicken Meat Extract Paste)	3-mcpd		18-14-11/MU/SMM-SIG (GC-MS)
			Sulphur (S)		18-13-1/MU/SMM-SIG (ICP-OES)
		Non Fermented/Hydrolysate Soy Sauce, Salty Soy Sauce			pH
Protein	18-8-31/MU/SMM-SIG (Titrimetry)				
Sodium Chloride	SNI 3543.2-2013				
Tomato Paste, Tomato Puree (Pulp), Horseadish Puree (Pulp), Aloe Vera Extract, Salsa	Examination of Canned Foods	SNI 01-2891-1992 point 1.1			

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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks	
Chemistry/Biology	Chilli Sauce, Chilli Soy Sauce, Green Chilli Sauce, Sambal, Ready to Eat Sambal, Hydrolyzed Vegetable Protein (HVP) Sauce, Hydrolyzed Vegetable Protein Blended Sauce	Odor	SNI 01-2891-1992 point 1.2		
		Taste			
		Color			
		pH	SNI 01-2891-1992 point 16		
		pH	SNI 3543.1-2013		
		Ash	SNI 01-2891-1992 point 6.1		
		Total Sugar (Sucrose)	18-8-8/MU/SMM-SIG (Luff-Schoorl)		
		Total Dissolved Solids	18-11-98/MU/SMM-SIG (Gravimetry)		
		Sodium Chloride	18-11-7/MU/SMM-SIG (Titrimetry)		
		Water Activity	18-11-68/MU/SMM-SIG (AW meter)		
		Sodium Benzoate	18-5-18/MU/SMM-SIG (HPLC)		
		Potassium Sorbate	18-6-4/MU/SMM-SIG (GC Head space)		
		Residual Solvent of Methanol			
		Residual Solvent of Ethanol			
		Residual Solvent of n-Propanol			
		Residual Solvent of 2-Propanol			
		Residual Solvent of Dichloromethane			
		Residual Solvent of Acetone			
		Residual Solvent of Acetonitril			
		Residual Solvent of Benzene			
		Residual Solvent of Chloroform			
		Residual Solvent of Ethyl Acetate			
		Residual Solvent of Toluene			
		Manganese (Mn)			18-4-1/MU/SMM-SIG (AAS)
		Iron (Fe)	18-13-14/MU/SMM-SIG (ICP-MS)		
		Copper (Cu)			
		Zinc (Zn)			
		Cadmium (Cd)			
		Lead (Pb)	18-4-1/MU/SMM-SIG (AAS)		
		Tin (Sn)			
					18-13-14/MU/SMM-SIG (ICP-MS)
					18-13-1/MU/SMM-SIG (ICP-OES)
Mercury (Hg)	18-13-14/MU/SMM-SIG (ICP-MS)				
		18-4-28/MU/SMM-SIG (AAS-HVG)			
Arsenic (As)	18-13-14/MU/SMM-SIG (ICP-MS)				
		18-4-29/MU/SMM-SIG (AAS-HVG)			
Fermented Soy Sauce	3-mcpd	18-14-11/MU/SMM-SIG (GC-MS)			
Pepper Powder	Total Plate Count (TPC)	SNI ISO 4833-1:2015			

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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks	
Chemistry/Biology	Pepper Powder	<i>Enterobacteriaceae</i>	SNI ISO 21528-2:2016		
		Yeast and Mold	SNI ISO 21527-2:2012		
		<i>Clostridium perfringens</i>	SNI ISO 7937:2012		
		<i>Bacillus cereus</i>	SNI ISO 7932:2012		
		<i>Salmonella</i>	SNI ISO 6579:2015		
	Mayonnaise	Total Plate Count (TPC)			BAM Chapter 3 (2001)
					SNI ISO 4833-1:2015
		<i>Coliform</i>	BAM Chapter 4 (2017)		
			SNI ISO 4831:2012		
		<i>Enterobacteriaceae</i>	SNI ISO 21528-2:2016		
		Yeast and Mold	SNI ISO 21527-2:2012		
		<i>Clostridium perfringens</i>	SNI ISO 7937:2012		
		<i>Escherichia coli</i>	SNI ISO 7251:2012		
		<i>Salmonella</i>	BAM Chapter 5 (2018)		
			SNI ISO 6579:2015		
	Chilli Sauce	Total Plate Count (TPC)			SNI ISO 4833-1:2015
					SNI ISO 4831:2012
		<i>Enterobacteriaceae</i>	SNI ISO 21528-2:2016		
		Yeast and Mold	SNI ISO 21527-2:2012		
		<i>Escherichia coli</i>	SNI ISO 7251:2012		
		<i>Salmonella</i>	SNI ISO 6579:2015		
		<i>Staphylococcus aureus</i>	SNI ISO 6888-1:2012		
	Sweet Soy Sauce	<i>Enterobacteriaceae</i>	SNI ISO 21528-2:2016		
		Yeast and Mold	BAM Chapter 18 (2001)		
			SNI ISO 21527-2:2012		
		<i>Clostridium sp.</i>	SNI ISO 15213:2017		
	Infant Formula	Cadmium (Cd)			18-13-14/MU/SMM-SIG (ICP-MS)
			18-13-1/MU/SMM-SIG (ICP-OES)		
Lead (Pb)			18-13-14/MU/SMM-SIG (ICP-MS)		
			18-13-1/MU/SMM-SIG (ICP-OES)		
Tin (Sn)			18-13-14/MU/SMM-SIG (ICP-MS)		
			18-13-1/MU/SMM-SIG (ICP-OES)		
Mercury (Hg)			18-13-14/MU/SMM-SIG (ICP-MS)		
			18-4-28/MU/SMM-SIG (AAS-HVG)		
Arsenic (As)		18-13-14/MU/SMM-SIG (ICP-MS)			
		18-4-29/MU/SMM-SIG (AAS-HVG)			

**CONTINUOUS OF ANNEX TO ACCREDITATION LABORATORY CERTIFICATE NO. LP-184-IDN-SNI ISO/IEC 17025:2017 (ISO/IEC 17025:2017)**

Name of Laboratory : PT Saraswanti Indogenetech Address : Jl. Rasamala No. 20, Taman Yasmin Bogor Phone. (0251) 7532384	Issued on: 18 January 2021 Expired date: 17 January 2026
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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Complementary Feeding Stuff (Instant Powder, Ready to Eat, Ready to Cook, and Biscuit)	Odor	SNI 01-2891-1992 point 1.2	
		Taste		
Color				
Vitamin B12		18-12-6/MU/SMM-SIG (LC-MSMS)		
Aflatoxin B1		18-12-27/MU/SMM-SIG (LC-MSMS)		
Aflatoxin B2				
Aflatoxin G1				
Aflatoxin G2				
Total Aflatoxin				
Ochratoxin A				
Deoxynivalenol (DON)				
Aflatoxin M1		18-5-1/MU/SMM-SIG (HPLC)		
Fumonisin B1				
Fumonisin B2				
Vitamin A				
Vitamin E				
Vitamin B1 (Thiamine)	18-5-2/MU/SMM-SIG (UPLC)			
Vitamin B2 (Riboflavin)	18-5-38/MU/SMM-SIG (UPLC)			
Vitamin B9 (Folic Acid)	18-5-19/MU/SMM-SIG (HPLC)			
Vitamin C	18-5-17/MU/SMM-SIG (UPLC)			
L-Histidine				
L-Serine				
L-Arginine				
Glycine				
L-Aspartic acid				
L-Glutamic Acid				
L-Threonine				
L-Alanine				
L-Proline				
L-Cystine				
L-Lysine HCl				
L-Tyrosine				
L-Methionine				
L-Valine				
L-Isoleusine				
L-Leucine				
L-Phenylalanine	18-5-63/MU/SMM-SIG (HPLC)			
L-Tryptophane				
	Food Supplement			

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Name of Laboratory : PT Saraswanti Indogenetech Address : Jl. Rasamala No. 20, Taman Yasmin Bogor Phone. (0251) 7532384	Issued on: 18 January 2021 Expired date: 17 January 2026
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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Full Cream Milk Powder, Instant Full Cream Milk, Low Fat Milk Powder & Reduced Fat Milk Powder Complementary Feeding Stuff	Copper (Cu)	18-13-1/MU/SMM-SIG (ICP-OES)	
		Total Plate Count (TPC)	SNI ISO 4833-1:2015	
	Premature Infant Formula	<i>Coliform</i>	SNI ISO 4831:2012	
		<i>Escherichia coli</i>	SNI ISO 7251:2012	
		<i>Salmonella</i>	SNI ISO 6579:2015	
		<i>Staphylococcus aureus</i>	SNI ISO 6888-1:2012	
		<i>Enterobacter sakazakii</i>	SNI ISO/TS 22964:2016	
	Bottled Water, Mineral Water, Demineralized Water, Sparkling Water, Oxygenated Water, Vitamin-Enhanced Water, Hexagonal Water	<i>Enterobacteriaceae</i>	SNI ISO 21528-2:2016	
		<i>Bacillus cereus</i>	SNI ISO 7932:2012	
		Manganese (Mn)	18-13-1/MU/SMM-SIG (ICP-OES)	
		Iron (Fe)		
		Copper (Cu)		
		Zinc (Zn)		
		Cadmium (Cd)	18-13-14/MU/SMM-SIG (ICP-MS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Lead (Pb)	18-13-14/MU/SMM-SIG (ICP-MS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Tin (Sn)	18-13-14/MU/SMM-SIG (ICP-MS)	
		Mercury (Hg)		
		Arsenic (As)		
	Coffee Bean, Roasted Ground Coffee, Instant Coffee, Coffee Mix Products, Ready To Drink Coffee, Liquid Coffee Concentrate, Cappucinno	Caffeine	18-5-22/MU/SMM-SIG (HPLC)	
		Copper (Cu)	18-13-1/MU/SMM-SIG (ICP-OES)	
		Zinc (Zn)		
		Phosphorus (P)		
		Cadmium (Cd)		
		Lead (Pb)		
		Tin (Sn)	18-4-1/MU/SMM-SIG (AAS)	
		18-13-1/MU/SMM-SIG (ICP-OES)		
Mercury (Hg)		18-4-28/MU/SMM-SIG (AAS-HVG)		
Arsenic (As)		18-13-14/MU/SMM-SIG (ICP-MS)		
	18-4-29/MU/SMM-SIG (AAS-HVG)			
Sugar & Syrups	Alkalinity of Ash	SNI 01-2891-1992 point 6.5		
	Silicate	SNI 01-2891-1992 point 6.4		

**CONTINUOUS OF ANNEX TO ACCREDITATION LABORATORY CERTIFICATE NO. LP-184-IDN-SNI ISO/IEC 17025:2017 (ISO/IEC 17025:2017)**

Name of Laboratory : PT Saraswanti Indogenetech Address : Jl. Rasamala No. 20, Taman Yasmin Bogor Phone. (0251) 7532384	Issued on: 18 January 2021 Expired date: 17 January 2026
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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks		
Chemistry/Biology	Carbonated Electrolyte Drink, Carbonated Hypotonic Drinks, Carbonated Isotonic Drink, Carbonated Hypertonic Drink, Carbonated Electrolyte Drinks Base, Carbonated Powder Drink, Formulated Caffeinated Beverages, Flavoured Beverages, Ginger Ale, Sarsaparilla, Root Beer, Birch Beer, Cream Soda, Citrus Drinks, Cola Drinks, Lemonade	Sodium Benzoate	18-5-18/MU/SMM-SIG (HPLC)			
		Potassium Sorbate				
		Sodium Saccharine				
		Punches/Ades, Crush, Cordials, Fruit Juice, Fruit Flavored Drink, Flavoured Syrup, Fruit Syrup, Chocolate Syrup, Caramel Syrup, Coffee Syrup, Flavored Water, Squash, Flavored Squash, Lemonade & Others 'Fruit-Ades', Flavored Powder Drink, Orange Flavored Powder Drink, Non Carbonated Electrolyte Drink, Non Carbonated Hypotonic Drink, Non Carbonated Isotonic Drink, Non Carbonated Hypertonic Drink, Electrolyte Drinks Base (Non Carbonated), Tamarind Drink, Iced Tea, Instant Iced Tea, Coconut Sap/ Neera drink, Jelly Drink, Nata De Coco Drink	Sodium (Na)		18-13-1/MU/SMM-SIG (ICP-OES)	
			Potassium (K)			
			Magnesium (Mg)			
			Calcium (Ca)			
			Punches/Ades, Crush, Cordials, Fruit Juice, Fruit Flavored Drink, Flavoured Syrup, Fruit Syrup, Chocolate Syrup, Caramel Syrup, Coffee Syrup, Flavored Water, Squash, Flavored Squash, Lemonade & Others 'Fruit-Ades', Flavored Powder Drink, Orange Flavored Powder Drink, Non Carbonated Electrolyte Drink, Non Carbonated Hypotonic Drink, Non Carbonated Isotonic Drink, Non Carbonated Hypertonic Drink, Electrolyte Drinks Base (Non Carbonated), Tamarind Drink, Iced Tea, Instant Iced Tea, Coconut Sap/ Neera drink, Jelly Drink, Nata De Coco Drink		Specific Gravity	SNI 01-2891-1992 point 17.2
					pH	SNI 01-2891-1992 point 16
					Reducing Sugar	18-8-8/MU/SMM-SIG (Luff-Schroorl)
	Total Sugar (Sucrose)					
	Total Dissolved Solids				18-11-98/MU/SMM-SIG (Gravimetry)	
	Water Activity				18-11-68/MU/SMM-SIG (AW meter)	
	Vitamin C (Titration)	18-11-2/MU/SMM-SIG (Titrimetry)				
	Vitamin A	18-5-1/MU/SMM-SIG (HPLC)				
	Vitamin E					
	Vitamin B2 (Riboflavin)	18-5-2/MU/SMM-SIG (UPLC)				
	Vitamin B9 (Folic Acid)	18-5-38/MU/SMM-SIG (UPLC)				
	Vitamin B12	18-12-6/MU/SMM-SIG (LC-MSMS)				
	Vitamin B12					
	Vitamin C	18-5-19/MU/SMM-SIG (HPLC)				
	Fructose	18-5-15/MU/SMM-SIG (HPLC)				
	Glucose					
	Sucrose					
	Sucrose	18-8-8/MU/SMM-SIG (Luff-Schroorl)				
	Acesulfame-K	18-5-18/MU/SMM-SIG (HPLC)				
	Aspartame	18-5-3/MU/SMM-SIG (HPLC)				
	Cyclamate	18-5-31/MU/SMM-SIG (HPLC)				
	Tartrazine	18-5-28/MU/SMM-SIG (HPLC)				
	Sunset Yellow					
	Allura Red					
	Carmoisine					
	Ponceau 4R					
Brilliant blue						
Carmine						
Taurine	18-5-21/MU/SMM-SIG (HPLC)					
Manganese (Mn)	18-4-1/MU/SMM-SIG (AAS)					
Iron (Fe)	18-4-1/MU/SMM-SIG (AAS)					

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Name of Laboratory : PT Saraswanti Indogenetech	Issued on: 18 January 2021
Address : Jl. Rasamala No. 20, Taman Yasmin Bogor	Expired date: 17 January 2026
Phone. (0251) 7532384	

**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Punches/Ades, Crush, Cordials, Fruit Juice, Fruit Flavored Drink, Flavoured Syrup, Fruit Syrup, Chocolate Syrup, Caramel Syrup, Coffee Syrup, Flavored Water, Squash, Flavored Squash, Lemonade & Others 'Fruit-Ades', Flavored Powder Drink, Orange Flavored Powder Drink, Non Carbonated Electrolyte Drink, Non Carbonated Hypotonic Drink, Non Carbonated Isotonic Drink, Non Carbonated Hypertonic Drink, Electrolyte Drinks Base (Non Carbonated), Tamarind Drink, Iced Tea, Instant Iced Tea, Coconut Sap/ Neera drink, Jelly Drink, Nata De Coco Drink	Iron (Fe)	18-13-1/MU/SMM-SIG (ICP-OES)	
		Copper (Cu)	18-4-1/MU/SMM-SIG (AAS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Zinc (Zn)	18-4-1/MU/SMM-SIG (AAS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Calcium (Ca)	18-13-1/MU/SMM-SIG (ICP-OES)	
		Lead (Pb)		
		Tin (Sn)		
		Silicon Dioxide (SiO <sub>2</sub> )	18-13-22/MU/SMM-SIG (ICP-OES)	
	Fruit Juice, Mixed Fruit Juice, Lime Juice, Apple Cider, Grapefruit Juice, Orange Juice, Valencia Orange Juice, Tangerine Juice, Citrus Comminutes Drink, Pineapple Juice, Lemonade, & Other Juices	Specific Gravity	SNI 01-2891-1992 point 17.2	
		Total Dissolved Solids	18-11-98/MU/SMM-SIG (Gravimetry)	
		Vitamin C	18-11-2/MU/SMM-SIG (Titrimetry)	
			18-5-19/MU/SMM-SIG (HPLC)	
		Patulin	18-5-149/MU/SMM-SIG (HPLC)	
	Black Tea, Green Tea, White Tea, Fragrant Tea, Traditional Fragrant Tea, Oolong Tea (Semi Fermented), Green Tea Powder, Packaged Dried Tea, Black Tea Bags, Fragrant Tea bags, Green Tea Bags, Bottled Tea/ Ready to Drink Tea, Instant Tea, Tea Concentrate, Premix Tea	Examination of Canned Foods	SNI 01-2891-1992 point 1.1	
		Odor	SNI 01-2891-1992 point 1.2	
		Taste		
		Color		
		Moisture	SNI 01-2891-1992 point 5.1	
		Ash	SNI 01-2891-1992 point 6.1	
		Sulfated ash	SNI 01-2891-1992 point 6.2	
		Ash (Acid Insoluble)	SNI 01-2891-1992 point 6.3	
		Crude Fiber	18-11-111/MU/SMM-SIG point 3.3.1 (Gravimetry)	
		Carbonate, Bicarbonate	18-11-182/MU/SMM-SIG (Titrimetry)	
		Fructose	18-5-129/MU/SMM-SIG (UPLC)	
		Glucose		
		Sucrose		
		Maltose		
		Lactose		
		Polyphenols	18-9-20/MU/SMM-SIG (Spectrophotometry)	
		Tannins	18-9-11/MU/SMM-SIG (Spectrophotometry)	
		Brown HT	18-5-136/MU/SMM-SIG (HPLC)	
Theine		18-5-22/MU/SMM-SIG (HPLC)		
Maltitol		18-5-129/MU/SMM-SIG (UPLC)		
Mannitol				
Sorbitol				

**CONTINUOUS OF ANNEX TO ACCREDITATION LABORATORY CERTIFICATE NO. LP-184-IDN-SNI ISO/IEC 17025:2017 (ISO/IEC 17025:2017)**

Name of Laboratory : PT Saraswanti Indogenetech Address : Jl. Rasamala No. 20, Taman Yasmin Bogor Phone. (0251) 7532384	Issued on: 18 January 2021 Expired date: 17 January 2026
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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks			
Chemistry/Biology	Black Tea, Green Tea, White Tea, Fragrant Tea, Traditional Fragrant Tea, Oolong Tea (Semi Fermented), Green Tea Powder, Packaged Dried Tea, Black Tea Bags, Fragrant Tea bags, Green Tea Bags, Bottled Tea/ Ready to Drink Tea, Instant Tea, Tea Concentrate, Premix Tea	Xylitol	18-5-129/MU/SMM-SIG (UPLC)				
		Calcium (Ca)	18-13-1/MU/SMM-SIG (ICP-OES)				
		Iron (Fe)					
			Copper (Cu)				
			Zinc (Zn)				
			Tin (Sn)				
	Flavored Alcoholic Drink		Sulfite		18-11-26/MU/SMM-SIG (Titrimetry)		
			Residual Solvent of Methanol		18-6-4/MU/SMM-SIG (GC Head space)		
			Residual Solvent of Ethanol				
			Residual Solvent of 2-Propanol				
			Ethanol		18-10-6/MU/SMM-SIG (GC)		
		Methanol					
	Ready to Drink Tea		Total Plate Count (TPC)		SNI ISO 4833-1:2015		
			Coliform		SNI ISO 4831:2012		
			<i>Escherichia coli</i>		SNI ISO 7251:2012		
			<i>Salmonella</i>		SNI ISO 6579:2015		
	Fruit Juice Drink		Total Plate Count (TPC)		SNI ISO 4833-1:2015		
			Coliform		SNI ISO 4831:2012		
			Yeast and Mold		SNI ISO 21527-2:2012		
			<i>Clostridium perfringens</i>		SNI ISO 7937:2012		
			<i>Escherichia coli</i>		SNI ISO 7251:2012		
			<i>Salmonella</i>		SNI ISO 6579:2015		
			<i>Staphylococcus aureus</i>		SNI ISO 6888-1:2012		
	Fruit Flavored Drink		Total Plate Count (TPC)		BAM Chapter 3 (2001) SNI ISO 4833-1:2015		
			Yeast and Mold		BAM Chapter 18 (2001) SNI ISO 21527-1:2012		
			<i>Clostridium perfringens</i>		BAM Chapter 16 (2001) SNI ISO 7937:2012		
			<i>Escherichia coli</i>		BAM Chapter 4 (2017) SNI ISO 7251:2012		
			<i>Salmonella</i>		BAM Chapter 5 (2018) SNI ISO 6579:2015		
			<i>Vibrio cholerae</i>		SNI ISO/TS 21872-1:2015		
			<i>Vibrio parahaemolyticus</i>		SNI ISO/TS 21872-1:2015		
			Isotonic Drink			Total Plate Count (TPC)	SNI ISO 4833-1:2015
						Coliform	BAM Chapter 4 (2017)
Coliform				SNI ISO 4831:2012			



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Name of Laboratory : PT Saraswanti Indogenetech Address : Jl. Rasamala No. 20, Taman Yasmin Bogor Phone. (0251) 7532384	Issued on: 18 January 2021 Expired date: 17 January 2026
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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Isotonic Drink	<i>Staphylococcus aureus</i>	BAM Chapter 12 (2016) SNI ISO 6888-1:2012	
		<i>Pseudomonas aeruginosa</i>	ISO 16266:2006	
	Flavored Powder Drink	Total Plate Count (TPC)	SNI ISO 4833-1:2015	
		Yeast and Mold	SNI ISO 21527-2:2012	
	Syrup	Total Plate Count (TPC)	SNI ISO 4833-1:2015	
		Coliform	SNI ISO 4831:2012	
		Yeast and Mold	SNI ISO 21527-2:2012	
		<i>Escherichia coli</i>	SNI ISO 7251:2012	
		<i>Salmonella</i>	SNI ISO 6579:2015	
		<i>Staphylococcus aureus</i>	SNI ISO 6888-1:2012	
	Dried Tea	Total Plate Count (TPC)	SNI ISO 4833-1:2015	
		Coliform	SNI ISO 4831:2012	
		Yeast and Mold	SNI ISO 21527-2:2012	
		<i>Escherichia coli</i>	SNI ISO 7251:2012	
	Black Tea Bags	Total Plate Count (TPC)	SNI ISO 4833-1:2015	
		Mold	SNI ISO 21527-2:2012	
	Snacks (Potato, Tuber, Cereal, Flour, or Starch Based)	Odor	SNI 01-2891-1992 point 1.2	
		Taste		
		Color		
		Moisture	SNI 01-2891-1992 point 5.1	
		Total Fat	18-8-5/MU/SMM-SIG point 3.2.2 (Gravimetry)	
		Protein	18-8-31/MU/SMM-SIG (Titrimetry)	
		Peroxide Value	18-11-29/MU/SMM-SIG (Titrimetry)	
		Vitamin A	18-5-1/MU/SMM-SIG (HPLC)	
		Vitamin E		
		Vitamin B1 (Thiamine)	18-5-2/MU/SMM-SIG (UPLC)	
		Vitamin B2 (Riboflavin)		
Vitamin B9 (Folic Acid)		18-5-38/MU/SMM-SIG (UPLC)		
Vitamin C		18-5-19/MU/SMM-SIG (HPLC)		
Fructose		18-5-15/MU/SMM-SIG (HPLC)		
Glucose				
Maltose				
Lactose				
Curcumin		18-5-12/MU/SMM-SIG (HPLC)		
Sodium Benzoate		18-5-18/MU/SMM-SIG (HPLC)		
Potassium Sorbate				
Acesulfame-K				

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Name of Laboratory : PT Saraswanti Indogenetech Address : Jl. Rasamala No. 20, Taman Yasmin Bogor Phone. (0251) 7532384	Issued on: 18 January 2021 Expired date: 17 January 2026
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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Snacks (Potato, Tuber, Cereal, Flour, or Starch Based)	Sodium Saccharine	18-5-18/MU/SMM-SIG (HPLC)	
		Aspartame	18-5-3/MU/SMM-SIG (HPLC)	
		Cyclamate	18-5-31/MU/SMM-SIG (HPLC)	
		Qualitative Colorants	18-5-28/MU/SMM-SIG (HPLC)	
		Tartrazine		
		Sunset Yellow		
		Allura Red		
		Carmoisine		
		Ponceau 4R		
		Sodium (Na)	18-13-1/MU/SMM-SIG (ICP-OES)	
		Potassium (K)		
		Magnesium (Mg)		
		Calcium (Ca)		
		Phosphorus (P)		
		Sucrose	18-5-15/MU/SMM-SIG (HPLC)	
		Manganese (Mn)	18-4-1/MU/SMM-SIG (AAS) 18-13-1/MU/SMM-SIG (ICP-OES)	
		Iron (Fe)	18-4-1/MU/SMM-SIG (AAS) 18-13-1/MU/SMM-SIG (ICP-OES)	
		Copper (Cu)	18-4-1/MU/SMM-SIG (AAS) 18-13-1/MU/SMM-SIG (ICP-OES)	
		Zinc (Zn)	18-4-1/MU/SMM-SIG (AAS) 18-13-1/MU/SMM-SIG (ICP-OES)	
		Cadmium (Cd)	18-13-14/MU/SMM-SIG (ICP-MS) 18-13-1/MU/SMM-SIG (ICP-OES)	
		Lead (Pb)	18-13-14/MU/SMM-SIG (ICP-MS) 18-13-1/MU/SMM-SIG (ICP-OES)	
		Tin (Sn)	18-4-1/MU/SMM-SIG (AAS) 18-13-14/MU/SMM-SIG (ICP-MS) 18-13-1/MU/SMM-SIG (ICP-OES)	
		Mercury (Hg)	18-13-14/MU/SMM-SIG (ICP-MS) 18-4-28/MU/SMM-SIG (AAS-HVG)	
		Arsenic (As)	18-13-14/MU/SMM-SIG (ICP-MS) 18-4-29/MU/SMM-SIG (AAS-HVG)	
		Aflatoxin B2	18-5-30/MU/SMM-SIG (HPLC)	
		Aflatoxin B1		
		Aflatoxin G1		
		Aflatoxin G2		

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Name of Laboratory : PT Saraswanti Indogenetech Address : Jl. Rasamala No. 20, Taman Yasmin Bogor Phone. (0251) 7532384	Issued on: 18 January 2021 Expired date: 17 January 2026
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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Snacks (Potato, Tuber, Cereal, Flour, or Starch Based) Extruded Snacks	Total Aflatoxins	18-5-30/MU/SMM-SIG (HPLC)	
		Total Plate Count (TPC)	BAM Chapter 3 (2001) SNI ISO 4833-1:2015	
	<i>Coliform</i>	BAM Chapter 4 (2017) SNI ISO 4831:2012		
	<i>Enterobacteriaceae</i>	SNI ISO 21528-2:2016		
	Yeast and Mold	BAM Chapter 18 (2001) SNI ISO 21527-2:2012		
	<i>Escherichia coli</i>	BAM Chapter 4 (2017) SNI ISO 7251:2012		
	<i>Salmonella</i>	BAM Chapter 5 (2018) SNI ISO 6579:2015		
	<i>Staphylococcus aureus</i>	BAM Chapter 12 (2016) SNI ISO 6888-1:2012		
	Flour Coated Peanut	Total Plate Count (TPC)	SNI ISO 4833-1:2015	
		<i>Enterobacteriaceae</i>	SNI ISO 21528-2:2016	
		Yeast and Mold	SNI ISO 21527-2:2012	
		<i>Salmonella</i>	SNI ISO 6579:2015	
	Tofu	Odor	SNI 01-2891-1992 point 1.2	
		Taste		
		Color		
	Noodles	Formaldehyde (Qualitative)	18-11-5/MU/SMM-SIG (Kit)	
	Instant Porridge	Vitamin A	18-5-1/MU/SMM-SIG (HPLC)	
		Vitamin E		
		Vitamin B1 (Thiamine)	18-5-2/MU/SMM-SIG (UPLC)	
		Vitamin B2 (Riboflavin)		
		Vitamin B9 (Folic Acid)	18-5-38/MU/SMM-SIG (UPLC)	
		Vitamin C	18-5-19/MU/SMM-SIG (HPLC)	
		Fructose	18-5-15/MU/SMM-SIG (HPLC)	
Glucose				
Maltose				
Lactose				
Sucrose				
Curcumin		18-5-12/MU/SMM-SIG (HPLC)		
Sodium Benzoate		18-5-18/MU/SMM-SIG (HPLC)		
Potassium Sorbate				
Acesulfame-K				
Sodium Saccharine				

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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Instant Porridge	Aspartame	18-5-3/MU/SMM-SIG (HPLC)	
		Cyclamate	18-5-31/MU/SMM-SIG (HPLC)	
Allura Red Qualitative		18-5-28/MU/SMM-SIG (HPLC)		
Ponceau 4R Qualitative				
Carmoisine Qualitative				
Sunset Yellow Qualitative				
Tartrazine Qualitative				
Tartrazine				
Allura Red				
Carmoisine		18-13-1/MU/SMM-SIG (ICP-OES)		
Ponceau 4R				
Sunset Yellow				
Sodium (Na)			18-4-1/MU/SMM-SIG (AAS) 18-13-1/MU/SMM-SIG (ICP-OES)	
Potassium (K)				
Magnesium (Mg)				
Calcium (Ca)				
Phosphorus (P)				
Manganese (Mn)				
Iron (Fe)				
Copper (Cu)				
Zinc (Zn)				
Cadmium (Cd)				
Lead (Pb)				
Tin (Sn)				
Mercury (Hg)				
Arsenic (As)				
Fried Rice		Coliform	SNI ISO 4831:2012	
		Yeast and Mold	SNI ISO 21527-2:2012	

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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Fried Rice	<i>Escherichia coli</i>	SNI ISO 7251:2012	
		<i>Salmonella</i>	SNI ISO 6579:2015	
		<i>Staphylococcus aureus</i>	SNI ISO 6888-1:2012	
		Total Plate Count (TPC)	SNI ISO 4833-1:2015	
	Noodle Soup, Vegetable Soup, Soup, & Soto	<i>Vibrio cholerae</i>	SNI ISO/TS 21872-1:2015	
		<i>Vibrio parahaemolyticus</i>	SNI ISO/TS 21872-1:2015	
	Nutmeg	Moisture	AOAC 986.21, 2006	
		Aflatoxin B1	18-5-30/MU/SMM-SIG (HPLC) 18-12-27/MU/SMM-SIG (LC-MSMS)	
		Aflatoxin B2	18-5-30/MU/SMM-SIG (HPLC) 18-12-27/MU/SMM-SIG (LC-MSMS)	
		Aflatoxin G1	18-5-30/MU/SMM-SIG (HPLC) 18-12-27/MU/SMM-SIG (LC-MSMS)	
		Aflatoxin G2	18-5-30/MU/SMM-SIG (HPLC) 18-12-27/MU/SMM-SIG (LC-MSMS)	
		Total Aflatoxins	18-5-30/MU/SMM-SIG (HPLC) 18-12-27/MU/SMM-SIG (LC-MSMS)	
		Ochratoxin A	18-5-36/MU/SMM-SIG (HPLC) 18-12-27/MU/SMM-SIG (LC-MSMS)	
		Deoxynivalenol (DON)	18-12-27/MU/SMM-SIG (LC-MSMS)	
		Aflatoxin M1		
		Food Additive: Colorant	Anthocyanins	
	Brown HT		18-5-136/MU/SMM-SIG (HPLC)	
	Tartrazine Lake		18-5-59/MU/SMM-SIG (HPLC)	
	Sunset Yellow Lake			
	Ponceau 4R Lake			
Bright blue Lake				
Allura Red Lake				
Food Additive: Flavoring	<i>Coliform</i>	SNI ISO 4831:2012		
	<i>Escherichia coli</i>	SNI ISO 7251:2012		
	<i>Salmonella</i>	SNI ISO 6579:2015		
Sausage, Jelly, Wheat Flour, Sambal, Milk Powder, Soy Milk, Canned Fish	Accelerated Self Life Time (ASLT) Arrhenius Met	18-15-1/MU/SMM-SIG (Arrhenius)		
Cookies, Wafer, Chips, Bread Bagel, Biscuit	Accelerated Self Life Time (ASLT) Labuza Metho	18-15-1/MU/SMM-SIG (Labuza)		
Cooling Tower Water	<i>Legionella sp</i>	ISO 11731:2017		
Clean water	<i>Coliform</i>	SNI ISO 4831:2012		
	<i>Escherichia coli</i>	SNI ISO 7251:2012		

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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Water for Hemodialysis Purpose	Endotoxin	USP 42-NF 37 :2019	
	Wastewater	pH	SNI 6989.11 : 2019	
		Temperature	SNI 06-6989.23 : 2005	
		Total Dissolved Solids	18-11-87/MU/SMM-SIG (TDS meter)	
		Nitrite	SNI 06-6989.9-2004	
		Chemical Oxygen Demand (COD)	SNI 6989.73-2009	
		2,3,7,8-TCDD	18-17-2/MU/SMM-SIG (GC-MSMS)	
		1,2,3,7,8-PCDD		
		1,2,3,4,7,8-HxCDD		
		1,2,3,6,7,8-HxCDD		
		1,2,3,7,8,9-HxCDD		
		1,2,3,4,6,7,8-HpCDD		
		Octachlorodibenzodioxin (OCDD)		
		2,3,7,8-TCDF		
		1,2,3,7,8-PCDF		
		2,3,4,7,8-PCDF		
		1,2,3,4,7,8-HxCDF		
		1,2,3,6,7,8-HxCDF		
		1,2,3,7,8,9-HxCDF		
		2,3,4,6,7,8-HxCDF		
		1,2,3,4,6,7,8-HpCDF		
		1,2,3,4,7,8,9-HpCDF		
		Octachlorodibenzofuran (OCDF)		
		Barium (Ba)	18-10-11/MU/SMM-SIG (ICP-OES)	
		Chromium (Cr)		
		Manganese (Mn)		
		Iron (Fe)		
		Cobalt (Co)		
		Nickel (Ni)		
		Copper (Cu)		
		Selenium (Se)		
		Cadmium (Cd)	18-13-14/MU/SMM-SIG (ICP-MS)	
		Lead (Pb)		
		Mercury (Hg)		
		Arsenic (As)		
	WFI Water	Endotoxin	USP 42-NF 37 :2019 (Gel Cloth)	
	Pharmaceutical Raw Materials, Drugs, Supplements, Traditional Medicine (in solid, liquid, and semi solid)	Organoleptic	18-11-66/MU/SMM-SIG (Observation)	
		Uniformity of Volume	18-11-123/MU/SMM-SIG, (Titrimetry)	

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Chemistry/Biology	Pharmaceutical Raw Materials, Drugs, Supplements, Traditional Medicine (in solid, liquid, and semi solid)	Deliverable volume	Farmakope Indonesia V, 2014 <1261> page 1614	
		Desintegration time	Farmakope Indonesia V, 2014 page 1251 Gravimetry	
		Uniformity of Weight	Kemenkes RI No. 661/MENKES/SK/VII/1994	
		Moisture	Farmakope Indonesia V, 2014 page 1031	
		Loss on drying	USP-NF (731), 2020 JECFA Vol 4, 2006	
		Loss on Ignition	USP-NF (733), 2020 JECFA Vol 4, 2006	
		Sulfite	18-11-26/MU/SMM-SIG (Titrimetry)	
		Vitamin A	18-5-1/MU/SMM-SIG (HPLC)	
		Vitamin E		
		Vitamin B1 (Thiamine)	18-5-2/MU/SMM-SIG (UPLC)	
		Vitamin B2 (Riboflavin)		
		Vitamin B9 (Folic Acid)	18-5-38/MU/SMM-SIG (UPLC)	
		Vitamin C	18-5-19/MU/SMM-SIG (HPLC)	
		%transmitan	18-9-30/MU/SMM-SIG (Spectrophotometry)	
		L-Histidine	18-5-17/MU/SMM-SIG (UPLC)	
		L-Serine		
		L-Arginine		
		Glycine		
		L-Aspartic acid		
		L-Glutamic Acid		
		L-Threonine		
		L-Alanine		
		L-Proline		
		L-Cystine		
		L-Lysine HCl		
		L-Tyrosine		
		L-Methionine		
		L-Valine		
		L-Isoleusine		
		L-Leucine		
		L-Phenylalanine		
		L-Tryptophane	18-5-63/MU/SMM-SIG (HPLC)	
		Glucosamine	18-5-56/MU/SMM-SIG (HPLC)	
Chondroitin Sulfate	18-9-82/MU/SMM-SIG (Spectrophotometry)			
Vitamin B7	18-12-23/MU/SMM-SIG (LC-MSMS)			
Caffeine	18-5-22/MU/SMM-SIG (HPLC)			
Residual Solvent Methanol	18-6-4/MU/SMM-SIG (GC Head space)			
Residual Solvent Ethanol				

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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks	
Chemistry/Biology	Pharmaceutical Raw Materials, Drugs, Supplements, Traditional Medicine (in solid, liquid, and semi solid)	Residual Solvent 2-Propanol	18-6-4/MU/SMM-SIG (GC Head space)		
		Ethanol	18-10-6/MU/SMM-SIG (GC)		
		Methanol	18-13-8/MU/SMM-SIG (ICP-OES)		
		Sodium (Na)			
		Potassium (K)			
		Magnesium (Mg)			
		Calcium (Ca)			
		Manganese (Mn)			
		Iron (Fe)			
		Copper (Cu)			
		Zinc (Zn)			
		Phosphorus (P)			
		Tin (Sn)			
		Cadmium (Cd)			18-13-14/MU/SMM-SIG (ICP-MS)
					18-13-8/MU/SMM-SIG (ICP-OES)
		Lead (Pb)	18-13-14/MU/SMM-SIG (ICP-MS)		
			18-13-8/MU/SMM-SIG (ICP-OES)		
		Mercury (Hg)	18-13-14/MU/SMM-SIG (ICP-MS)		
			18-13-8/MU/SMM-SIG (ICP-OES)		
		Arsenic (As)	18-13-14/MU/SMM-SIG (ICP-MS)		
			18-13-8/MU/SMM-SIG (ICP-OES)		
		<i>Shigella</i>	SNI ISO 21567 : 2017		
		Total Plate Count (TPC)	USP 42-NF 37: 2019		
		Yeast and Mold			
		<i>Clostridium sp.</i>			
		<i>Escherichia coli</i>			
		<i>Salmonella</i>			
<i>Staphylococcus aureus</i>					
<i>Pseudomonas aeruginosa</i>					
Preservative Effectiveness with 5 bacteria (Escherichia coli, Staphylococcus aureus, Pseudomonas aeruginosa, Candida albicans, spergillus niger)					
Meat authenticity (Porcine DNA Identification)	18-11-47/MU/SMM-SIG (PCR)				
Gelatin Capsules	Gelatin Bovine Identification	18-12-14/MU/SMM-SIG (LC-MSMS)			
	Gelatin Porcine Identification				
Cosmetic (Liquid Soap)	Free Alkali or Free Fatty Acids	SNI 4085 : 2017 point 6.4			
Cosmetic (Soap Bar)	Free Alkali or Free Fatty Acids	SNI 3532 : 2016 point 6.5			



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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Cosmetic (Hand Soap)	Free Alkali or Free Fatty Acids	SNI 2588 : 2017 point 6.5	
	Cosmetic (Liquid Soap)	Viscosity	18-11-11/MU/SMM-SIG (Viscosmeter)	
	Cosmetics (Talcum Powder, Compact Powder, Lipstick, Eye shadow, Ointment, Toner, Hair Gel, Shampoo, Soap, Hairspray, Night Cream, Foundation, Lotion)	Moisture	18-11-44/MU/SMM-SIG (Karl Fischer)	
		Vitamin E	18-5-1/MU/SMM-SIG (HPLC)	
		Retinoic Acid	18-5-64/MU/SMM-SIG (HPLC)	
		Methyl Paraben	18-5-88/MU/SMM-SIG (HPLC)	
		Ethyl Paraben		
		Propyl Paraben		
		Buthyl Paraben		
		Methanyl Yellow	18-5-84/MU/SMM-SIG (HPLC)	
		Rhodamin B	18-5-85/MU/SMM-SIG (HPLC)	
		Pigment Orange		
		Hydroquinone	18-5-53/MU/SMM-SIG (HPLC)	
		Betamethasone	18-5-79/MU/SMM-SIG (UPLC)	
		Betamethasone 17-Valerate		
		Dexamethasone		
		Hydrocortisone 21-Acetate		
		Triamcinolone Acetate		
		2-Phenoxyethanol	18-5-88/MU/SMM-SIG (HPLC)	
		1,4 Dioxane	18-14-16/MU/SMM-SIG (GC-MS)	
		Sodium (Na)	18-13-9/MU/SMM-SIG (ICP-OES)	
		Potassium (K)		
		Magnesium (Mg)		
		Calcium (Ca)		
		Manganese (Mn)		
		Iron (Fe)		
		Copper (Cu)		
		Zinc (Zn)		
		Phosphorus (P)		
		Tin (Sn)		
	Cadmium (Cd)	18-13-14/MU/SMM-SIG (ICP-MS) 18-13-9/MU/SMM-SIG (ICP-OES)		
	Lead (Pb)	18-13-14/MU/SMM-SIG (ICP-MS) 18-13-9/MU/SMM-SIG (ICP-OES)		
Mercury (Hg)	18-13-14/MU/SMM-SIG (ICP-MS) 18-13-9/MU/SMM-SIG (ICP-OES)			
Arsenic (As)	18-13-14/MU/SMM-SIG (ICP-MS) 18-13-9/MU/SMM-SIG (ICP-OES)			

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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Cosmetics (Talcum Powder, Compact Powder, Lipstick, Eye shadow, Ointment, Toner, Hair Gel, Shampoo, Soap, Hairspray, Night Cream, Foundation, Lotion)	Total Plate Count (TPC)	ISO 21149:2017	
		Yeast and Mold	ISO 16212 : 2017	
		<i>Candida albicans</i>	ISO 18416 : 2015	
		<i>Escherichia coli</i>	18-7-34/MU/SMM-SIG (Detection)	
		<i>Staphylococcus aureus</i>	ISO 22718:2015	
		<i>Pseudomonas aeruginosa</i>	ISO 22717 : 2015	
		Preservative Effectiveness with 5 bacteria (Staph)	18-7-62/MU/SMM-SIG (Plate Count)	
	Disinfectan	Antimicrobial Test	AOAC 960.09, 2013	
	Sanitary Napkin	Flourescence test	SNI 16-6363-2000 point 6.2.4	
	Raw Material: Ascorbic Acid	Potassium (K)	18-13-1/MU/SMM-SIG (ICP-OES)	
		Magnesium (Mg)		
		Calcium (Ca)		
		Iron (Fe)		
		Copper (Cu)		
	Raw Material: Titanium Dioxide (TiO2)	Titanium Dioxide (TiO2)	18-13-1/MU/SMM-SIG (ICP-OES)	
	Talcum Powder	Magnesium (Mg)	18-4-36/MU/SMM-SIG (AAS-Flame)	
		Calcium (Ca)		
		Iron (Fe)		
		Aluminium (Al)		
	Animal Feed	Cadmium (Cd)	18-13-14/MU/SMM-SIG (ICP-MS)	
		Tin (Sn)		
		Lead (Pb)		
		Moisture	SNI 01-2891-1992 point 5.1	
		Ash	SNI 01-2891-1992 point 6.1	
		Total Fat	18-8-5/MU/SMM-SIG (Gravimetry)	
		Protein	18-8-31/MU/SMM-SIG (Titrimetry)	
		Carbohydrate by difference	18-8-9/MU/SMM-SIG (Calculation)	
		Crude Fiber	18-11-111/MU/SMM-SIG point 3.3.1 (Gravimetry)	
Vitamin A		18-5-1/MU/SMM-SIG (HPLC)		
Vitamin E				
Vitamin B1 (Thiamine)		18-5-2/MU/SMM-SIG (UPLC)		
Vitamin B2 (Riboflavin)		18-5-38/MU/SMM-SIG (UPLC)		
Vitamin B9 (Folic Acid)				
Vitamin C				
L-Histidine		18-5-17/MU/SMM-SIG (UPLC)		
L-Serine				
L-Arginine				
Glycine				

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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Animal Feed	L-Aspartic acid	18-5-17/MU/SMM-SIG (UPLC)	
		L-Glutamic Acid		
		L-Threonine		
		L-Alanine		
		L-Proline		
		L-Cystine		
		L-Lysine HCl		
		L-Tyrosine		
		L-Methionine		
		L-Valine		
		L-Isoleusine		
		L-Leucine		
		L-Phenylalanine		
		L-Tryptophane		
		Cystine	18-12-38/MU/SMM-SIG (LC-MSMS)	
		Methionine		
		Urea	ISO 6654 : 1991	
		Sodium (Na)	18-13-1/MU/SMM-SIG (ICP-OES)	
		Potassium (K)		
		Magnesium (Mg)		
		Calcium (Ca)		
		Manganese (Mn)	18-4-1/MU/SMM-SIG (AAS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Iron (Fe)	18-4-1/MU/SMM-SIG (AAS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Copper (Cu)	18-4-1/MU/SMM-SIG (AAS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Zinc (Zn)	18-4-1/MU/SMM-SIG (AAS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Tin (Sn)	18-4-1/MU/SMM-SIG (AAS)	
			18-13-1/MU/SMM-SIG (ICP-OES)	
		Phosphorus (P)	18-13-1/MU/SMM-SIG (ICP-OES)	
		Cadmium (Cd)		
Lead (Pb)				
Mercury (Hg)	18-13-14/MU/SMM-SIG (ICP-MS)			
	18-4-28/MU/SMM-SIG (AAS-HVG)			
Arsenic (As)	18-13-14/MU/SMM-SIG (ICP-MS)			
	18-4-29/MU/SMM-SIG (AAS-HVG)			

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Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Animal Feed	Total Plate Count (TPC)	BAM Chapter 3 (2001) SNI ISO 4833-1:2015	
		Coliform	BAM Chapter 4 (2017) SNI ISO 4831:2012	
		Yeast and Mold	BAM Chapter 18 (2001) SNI ISO 21527-2:2012	
		<i>Escherichia coli</i>	BAM Chapter 4 (2017) SNI ISO 7251:2012	
		<i>Salmonella</i>	BAM Chapter 5 (2018) SNI ISO 6579:2015	
		<i>Staphylococcus aureus</i>	BAM Chapter 12 (2016) SNI ISO 6888-1:2012	
		Toys	Benzyl butyl phthalate (BBP) Bis-(2-ethylhexyl) phthalate (DEHP) Dibutyl phthalate (DBP) Di-isodecyl phthalate (DIDP) Di-isononyl phthalate (DINP) Di-n-octyl phthalate (DnOP)	
	Crayon	Extracted Metal-Cadmium (Cd)	18-13-19/MU/SMM-SIG (ICP-MS)	
		Extracted Metal-Nickel (Ni)		
		Extracted Metal-Copper (Cu)		
		Extracted Metal-Lead (Pb)		
	Fresh Fruit	Tin (Sn)	18-13-1/MU/SMM-SIG (ICP-OES)	
		Cadmium (Cd)	18-13-14/MU/SMM-SIG (ICP-MS)	
		Lead (Pb)		
		Mercury (Hg)		
		Arsenic (As)		
		Acephate	AOAC 2007.01, 2013	
		Azinphos Methyl		
		Chlorpyrifos Methyl		
		Cis-Mevinphos		
		Diazinon		
Dichlorvos				
Dimethoate				
Disulfoton				
Fenamiphos				
Fenthion				
Malathion				

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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Fresh Fruit	Methidathion Monocrotophos Phosalone Profenofos Triazophos Methyl Parathion Bifenthrine Alfa-Cypermethrin Bioresmethrin Deltamethrin Permethrin Etofenprox Cyhalothrin Fenvaleratee Fenpropathrin Cyfluthrin Aldicarb Carbaryl Carbofuran Chlorpropham Fenobucarb Isoprocarb Methiocarb sulfoxide Methomyl Oxamyl Propamocarb 2,4-DDT Endosulfan (Alfa) Endosulfan (Beta) Endrin Gamma-BHC (Lindane) Heptachlor Chlordane (Cis) Chlordane (Trans) Dicofol Dieldrin Quintozene Chlorothalonil	AOAC 2007.01, 2013	

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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Fresh Fruit	Dichloran	AOAC 2007.01, 2013	
		Aldrin		
		Bitertanol		
		Difenoconazole		
		Fenbuconazole		
		Flusilazole		
		Myclobutanil		
		Penconazole		
		Tebuconazole		
		2,4-D		
		Abamectin		
		Azocyclotin		
		Cyhexatin		
		Cyromazine		
		Dichlofluanid		
		Fenbutatin Oxide		
		Haloxypop		
		Amitraz		
		Benalaxyl		
		Boscalid		
		Buprofezin		
		Cadusafos		
		Carbendazim		
		Clethodim		
		Clofentezine		
		Cycloxdim		
		Diflubenzuron		
		Dimethomorph		
		Dinocap		
		Diphenylamine		
		Dodin		
		Ethoxyquin		
		Fenarimol		
Fipronil				
Flutolanil				
Hexythiazox				
Imazalil				
Imidacloprid				



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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Fruit Jam, Fruit Jelly, Fruit Pastry Filling, Marmalade, Manggo Chutney, Compote, Candied Fruit, Fruit Puree, Fruit Paste, Fruit Sauce, Applesauce, Topping Buah, Raw Nata De Coco, Tamarind Concentrate, Tamarind Powder, Tamarind Toffee, Fruit Bars, Fruit Flour Fruit Jam, Fruit Jelly, Fruit Pastry Filling, Marmalade, Manggo Chutney, Compote, Candied Fruit, Candied Fruit Peel, Fruit Puree, Fruit Paste, Fruit Sauce, Apple sauce, Fruit Topping, Raw Nata De Coco, Tamarind Concentrate, Tamarind Powder, Tamarind Toffee, Fruit Bars, Fruit Flour	Methidathion Monocrotophos Phosalone Profenofos Triazophos Methyl Parathion Bifenthrine Alfa-Cypermethrin Bioresmethrin Deltamethrin Permethrin Etofenprox Cyhalothrin Fenpropathrin Beta-Cyfluthrin Aldicarb Carbaryl Carbofuran Chlorpropham Fenobucarb Isoprocarb Methiocarb sulfoxide Methomyl Oxamyl Propamocarb 2,4-DDT Endosulfan (Alfa) Endosulfan (Beta) Endrin Gamma-BHC (Lindane) Heptachlor Dicofol Dieldrin Quintozene Chlorothalonil Dichloran Aldrin Bitertanol	EN 15662:2018	



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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Fruit Jam, Fruit Jelly, Fruit Pastry Filling, Marmalade, Manggo Chutney, Compote, Candied Fruit, Fruit Puree, Fruit Paste, Fruit Sauce, Applesauce, Topping Buah, Raw Nata De Coco, Tamarind Concentrate, Tamarind Powder, Tamarind Toffee, Fruit Bars, Fruit Flour Fruit Jam, Fruit Jelly, Fruit Pastry Filling, Marmalade, Manggo Chutney, Compote, Candied Fruit, Candied Fruit Peel, Fruit Puree, Fruit Paste, Fruit Sauce, Apple sauce, Fruit Topping, Raw Nata De Coco, Tamarind Concentrate, Tamarind Powder, Tamarind Toffee, Fruit Bars, Fruit Flour	Difenoconazole	EN 15662:2018	
		Fenbuconazole		
		Flusilazole		
		Myclobutanil		
		Penconazole		
		Tebuconazole		
		2,4-D		
		Abamectin		
		Carbendazim		
		Cyromazine		
		Dichlofluanid		
		Fenbutatin Oxide		
		Haloxyfop		
		Amitraz		
		Benalaxyl		
		Boscalid		
		Buprofezin		
		Cadusafos		
		Clethodim		
		Clofentezine		
		Cycloxidim		
		Diflubenzuron		
		Dimethomorph		
		Dinocap		
		Diphenylamine		
		Dodin		
		Ethoxyquin		
		Fenarimol		
		Fipronil		
		Flutolanil		
Hexythiazox				
Imazalil				
Imidacloprid				
Kresoxim-methyl				
Metalaxyl				
Piperonylbutoxide				
Propargite				
Pyrethrin				

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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks				
Chemistry/Biology	Fruit Jam, Fruit Jelly, Fruit Pastry Filling, Marmalade, Manggo Chutney, Compote, Candied Fruit, Fruit Puree, Fruit Paste, Fruit Sauce, Applesauce, Topping Buah, Raw Nata De Coco, Tamarind Concentrate, Tamarind Powder, Tamarind Toffee, Fruit Bars, Fruit Flour Fruit Jam, Fruit Jelly, Fruit Pastry Filling, Marmalade, Manggo Chutney, Compote, Candied Fruit, Candied Fruit Peel, Fruit Puree, Fruit Paste, Fruit Sauce, Apple sauce, Fruit Topping, Raw Nata De Coco, Tamarind Concentrate, Tamarind Powder, Tamarind Toffee, Fruit Bars, Fruit Flour	Pyrimethanil	EN 15662:2018					
		Pyriproxifen						
		Quinoxifen						
		Tebufenozide						
		Teflubenzuron						
		Thiabendazole						
		Thiacloprid						
		Tolclofos-methyl						
		Tolyfluand						
		Triforin						
		Zoxamide						
		Procymidon						
		Tecnazene						
		Vinclozolin						
		2-phenylphenol						
		Prochloraz						
		Bromopropylate						
		Ethephon			18-12-2-6/MU/SMM-SIG (LC-MSMS)			
					Dried Fruit, Dried Fruit Mix, Salted Dry Fruit, Dried Banana, Salted Fruit	Bromide Ion	18-6-9/MU/SMM-SIG (GC)	
					Vegetables, Legumes, and Grains	Acephate	AOAC 2007.01, 2013	
Azinphos Methyl								
Chlorpyriphos Methyl								
Cis-Mevinphos								
Diazinon								
Dichlorvos								
Dimethoate								
Disulfoton								
Fenamiphos								
Fenthion								
Malathion								
Methidathion								
Monocrotophos								
Phosalone								
Profenofos								
Triazophos								
Methyl Parathion								
Bifenthrine								

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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Vegetables, Legumes, and Grains	Bioesmethrin	AOAC 2007.01, 2013	
		Deltamethrin		
		Permethrin		
		Etofenprox		
		Fenvalerate		
		Fenpropathrin		
		Beta-Cyfluthrin		
		Aldicarb		
		Carbaryl		
		Carbofuran		
		Chlorpropham		
		Fenobucarb		
		Isoprocarb		
		Methiocarb sulfoxide		
		Methomyl		
		Oxamyl		
		Propamocarb		
		2,4-DDT		
		Endrin		
		Gamma-BHC (Lindane)		
		Heptachlor		
		Chlordane (Cis)		
		Chlordane (Trans)		
		Dicofol		
		Dieldrin		
		Quintozene		
		Chlorothalonil		
		Dichloran		
		Bitertanol		
		Difenoconazole		
		Fenbuconazole		
		Flusilazole		
		Myclobutanil		
Penconazole				
Tebuconazole				
Carbendazim				
Cyromazine				
Dichlofluanid				

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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Vegetables, Legumes, and Grains	Benalaxyl Boscalid Buprofezin Cadusafos Clethodim Clofentezine Cycloxdim Diflubenzuron Dimethomorph Dinocap Diphenylamine Dodin Ethoxyquin Fenarimol Fipronil Flutolanil Hexythiazox Imazalil Imidacloprid Kresoxim-methyl Metalaxyl Piperonylbutoxide Propargite Pyrethrin Pyrimethanil Pyriproxifen Quinoxyfen Tebufenozide Teflubenzuron Thiabendazole Thiacloprid Tolclofos-methyl Tolyfluanid Triforin Zoxamide Iprodion Tecnazene Vinclozolin	AOAC 2007.01, 2013	

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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Vegetables, Legumes, and Grains	2-phenylphenol Bromopropylate Ethephon Bromide Ion	AOAC 2007.01, 2013 18-12-2-6/MU/SMM-SIG (LC-MSMS) 18-6-9/MU/SMM-SIG (GC)	
	Whole Grain	Acephate Azinphos Methyl Chlorpyriphos Methyl Diazinon Dichlorvos Dimethoate Disulfoton Fenamiphos Fenthion Malathion Methidathion Monocrotophos Phosalone Profenofos Triazophos Bifenthrine Alfa-Cypermethrin Bioresmethrin Deltamethrin Permethrin Etofenprox Fenpropathrin Beta-Cyfluthrin Aldicarb Carbaryl Carbofuran Chlorpropham Fenobucarb Isoprocarb Methiocarb sulfoxide Methomyl Oxamyl Propamocarb Endosulfan (Alfa)	EN 15662:2018	

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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Whole Grain	Endosulfan (Beta)	EN 15662:2018	
		Bitertanol		
		Difenoconazole		
		Fenbuconazole		
		Flusilazole		
		Myclobutanil		
		Penconazole		
		Tebuconazole		
		2,4-D		
		Abamectin		
		Carbendazim		
		Cyromazine		
		Fenbutatin Oxide		
		Haloxyfop		
		Benalaxyl		
		Boscalid		
		Buprofezin		
		Cadusafos		
		Clethodim		
		Clofentezine		
		Cycloxidim		
		Diflubenzuron		
		Dimethomorph		
		Dinocap		
		Diphenylamine		
		Dodin		
		Fenarimol		
		Fipronil		
		Flutolanil		
		Hexythiazox		
Imidacloprid				
Kresoxim-methyl				
Metalaxyl				
Piperonylbutoxide				
Propargite				
Pyrethrin				
Pyrimethanil				
Pyriproxifen				



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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Cocoa Powder, Breakfast Cocoa, Medium Fat Cocoa, Low Fat Cocoa, Cocoa Dust, Fine Cocoa Powder, & Cacao Nibs	Bioesmethrin	EN 15662:2018	
		Fenobucarb		
		Endosulfan (Alfa)		
		Endosulfan (Beta)		
		Endrin		
		Gamma-BHC (Lindane)		
		Heptachlor		
		Chlordane (Cis)		
		Chlordane (Trans)		
		Dieldrin		
		Quintozene		
		Dichloran		
		Aldrin		
		Clethodim		
		Cycloxidim		
		Imidacloprid		
		Piperonylbutoxide		
Tecnazene				
Vinclozolin				
2-phenylphenol				
Bromopropylate				



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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Garlic, Shallot, Chives, Celery Seed, Mustard Seed, Mustard Powder, Javanese Long Pepper, Red Chilli Pepper, Chilli Paste, Chilli Powder, Dill Seed, Anise, Dill, Star Anise, Ender, Dill Weed, Fenugreek, Fenugreek Powder, Fenugreek Seed, Fenugreek Seed Powder, Dried Mace, Mace Powder, Raw Ginger, Dried Ginger, Ginger Puree, Ginger Powder, Caraway, Caraway Powder, Aniseed/sweet cumin, Black Cumin Seed, Black Cumin Seed Powder, Cumin, Cumin Powder, Cardamom (Ammomum), Cardamom Seed (Ammomum), Siam Cardamom (Ammomum), Indian Cardamom (Elettaria), Cardamom Seed (Elettaria), Cardamom Powder (Elettaria), Cinnamon, Cinnamon Powder, Candlenut with Shell, Candlenut, Candlenut Powder, Aromatic Ginger, Aromatic Ginger Powder, Coriander Seed, Coriander (Cilantro), Coriander Seed Powder, Pangl Nut, Turmeric, Turmeric Powder, Black Pepper, Ground Black Pepper, Pepper, ground Pepper, Mix Ground Pepper, Andaliman, Galangal, Galangal Powder, (Torch Ginger/ red ginger lily), Marjoram, Mint, Onion, Onion Powder, Oregano, Nutmeg, Distilled Nutmeg, Nutmeg Powder, Parsley, Bell Pepper Powder, Sweet Bell Pepper Powder, Rosemary, Sage, Saffron, Fingerroot, Tarragon, Thyme	Acephate	AOAC 2007.01, 2013	
		Azinphos Methyl		
		Chlorpyriphos Methyl		
		Cis-Mevinphos		
		Diazinon		
		Dichlorvos		
		Dimethoate		
		Disulfoton		
		Fenamiphos		
		Fenthion		
		Malathion		
		Methidathion		
		Monocrotophos		
		Phosalone		
		Profenofos		
		Triazophos		
		Bifenthrine		
		Bioresmethrin		
		Deltamethrin		
		Permethrin		
		Fenpropathrin		
		Cyfluthrin		
		Aldicarb		
		Carbaryl		
		Carbofuran		
		Chlorpropham		
		Fenobucarb		
		Isoprocarb		
		Methiocarb sulfoxide		
		Methomyl		
Oxamyl				
Propamocarb				
2,4-DDT				
Chlordane (Cis)				
Chlordane (Trans)				
Dicofol				
Dieldrin				
Quintozene				

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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Garlic, Shallot, Chives, Celery Seed, Mustard Seed, Mustard Powder, Javanese Long Pepper, Red Chilli Pepper, Chilli Paste, Chilli Powder, Dill Seed, Anise, Dill, Star Anise, Ender, Dill Weed, Fenugreek, Fenugreek Powder, Fenugreek Seed, Fenugreek Seed Powder, Dried Mace, Mace Powder, Raw Ginger, Dried Ginger, Ginger Puree, Ginger Powder, Caraway, Caraway Powder, Aniseed/sweet cumin, Black Cumin Seed, Black Cumin Seed Powder, Cumin, Cumin Powder, Cardamom (Ammomum), Cardamom Seed (Ammomum), Siam Cardamom (Ammomum), Indian Cardamom (Elettaria), Cardamom Seed (Elettaria), Cardamom Powder (Elettaria), Cinnamon, Cinnamon Powder, Candlenut with Shell, Candlenut, Candlenut Powder, Aromatic Ginger, Aromatic Ginger Powder, Coriander Seed, Coriander (Cilantro), Coriander Seed Powder, Pangl Nut, Turmeric, Turmeric Powder, Black Pepper, Ground Black Pepper, Pepper, ground Pepper, Mix Ground Pepper, Andaliman, Galangal, Galangal Powder, (Torch Ginger/ red ginger lily), Marjoram, Mint, Onion, Onion Powder, Oregano, Nutmeg, Distilled Nutmeg, Nutmeg Powder, Parsley, Bell Pepper Powder, Sweet Bell Pepper Powder, Rosemary, Sage, Saffron, Fingerroot, Tarragon, Thyme	Chlorothalonil	AOAC 2007.01, 2013	
		Dichloran		
		Bitertanol		
		Difenoconazole		
		Fenbuconazole		
		Flusilazole		
		Myclobutanil		
		Penconazole		
		Tebuconazole		
		2,4-D		
		Abamectin		
		Azocyclotin		
		Cyhexatin		
		Cyromazine		
		Dichlofluanid		
		Fenbutatin oxide		
		Benalaxyl		
		Boscalid		
		Buprofezin		
		Cadusafos		
		Carbendazim		
		Clethodim		
		Clofentezine		
		Cycloxidim		
		Diflubenzuron		
		Dimethomorph		
		Dinocap		
		Diphenylamine		
		Dodin		
		Fenarimol		
Fipronil				
Flutolanil				
Imazalil				
Imidacloprid				
Kresoxim-methyl				
Metalaxyl				
Piperonylbutoxide				
Propargite				

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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Garlic, Shallot, Chives, Celery Seed, Mustard Seed, Mustard Powder, Javanese Long Pepper, Red Chilli Pepper, Chilli Paste, Chilli Powder, Dill Seed, Anise, Dill, Star Anise, Ender, Dill Weed, Fenugreek, Fenugreek Powder, Fenugreek Seed, Fenugreek Seed Powder, Dried Mace, Mace Powder, Raw Ginger, Dried Ginger, Ginger Puree, Ginger Powder, Caraway, Caraway Powder, Aniseed/sweet cumin, Black Cumin Seed, Black Cumin Seed Powder, Cumin, Cumin Powder, Cardamom (Ammomum), Cardamom Seed (Ammomum), Siam Cardamom (Ammomum), Indian Cardamom (Elettaria), Cardamom Seed (Elettaria), Cardamom Powder (Elettaria), Cinnamon, Cinnamon Powder, Candlenut with Shell, Candlenut, Candlenut Powder, Aromatic Ginger, Aromatic Ginger Powder, Coriander Seed, Coriander (Cilantro), Coriander Seed Powder, Pangli Nut, Turmeric, Turmeric Powder, Black Pepper, Ground Black Pepper, Pepper, ground Pepper, Mix Ground Pepper, Andaliman, Galangal, Galangal Powder, (Torch Ginger/ red ginger lily), Marjoram, Mint, Onion, Onion Powder, Oregano, Nutmeg, Distilled Nutmeg, Nutmeg Powder, Parsley, Bell Pepper Powder, Sweet Bell Pepper Powder, Rosemary, Sage, Saffron, Fingerroot, Tarragon, Thyme	Pyrethrin	AOAC 2007.01, 2013	
		Pyrimethanil		
		Pyriproxifen		
		Quinoxyfen		
		Tebufenozide		
		Teflubenzuron		
		Thiabendazole		
		Thiacloprid		
		Tolclofos-methyl		
		Tolyfluanid		
		Triforin		
		Zoxamide		
		Iprodion		
		Procymidon		
		Tecnazene		
		Vinclozolin		
		2-phenylphenol		
		Dimethipin		
		Bromopropylate		
		Ethephon		
		Maleic Hydrazide		
		Bromide Ion		
		Acephate		
		Azinphos Methyl		
		Chlorpyriphos Methyl		
		Cis-Mevinphos		
Diazinon				
Dichlorvos				
Dimethoate				
Disulfoton				
Fenamiphos				
Fenthion				
Malathion				
Methodathion				
Monocrotophos				
Phosalone				
Profenofos				
Triazophos				

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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Garlic, Shallot, Chives, Celery Seed, Mustard Seed, Mustard Powder, Javanese Long Pepper, Red Chilli Pepper, Chilli Paste, Chilli Powder, Dill Seed, Anise, Dill, Star Anise, Ender, Dill Weed, Fenugreek, Fenugreek Powder, Fenugreek Seed, Fenugreek Seed Powder, Dried Mace, Mace Powder, Raw Ginger, Dried Ginger, Ginger Puree, Ginger Powder, Caraway, Caraway Powder, Aniseed/sweet cumin, Black Cumin Seed, Black Cumin Seed Powder, Cumin, Cumin Powder, Cardamom (Ammomum), Cardamom Seed (Ammomum), Siam Cardamom (Ammomum), Indian Cardamom (Elettaria), Cardamom Seed (Elettaria), Cardamom Powder (Elettaria), Cinnamon, Cinnamon Powder, Candlenut with Shell, Candlenut, Candlenut Powder, Aromatic Ginger, Aromatic Ginger Powder, Coriander Seed, Coriander (Cilantro), Coriander Seed Powder, Pangli Nut, Turmeric, Turmeric Powder, Black Pepper, Ground Black Pepper, Pepper, ground Pepper, Mix Ground Pepper, Andaliman, Galangal, Galangal Powder, (Torch Ginger/ red ginger lily), Marjoram, Mint, Onion, Onion Powder, Oregano, Nutmeg, Distilled Nutmeg, Nutmeg Powder, Parsley, Bell Pepper Powder, Sweet Bell Pepper Powder, Rosemary, Sage, Saffron, Fingerroot, Tarragon, Thyme	Methyl Parathion	EN 15662:2018	
		Bifenthrine		
		Alfa-Cypermethrin		
		Deltamethrin		
		Permethrin		
		Etofenprox		
		Fenpropathrin		
		Beta-Cyfluthrin		
		Aldicarb		
		Carbaryl		
		Carbofuran		
		Chlorpropham		
		Isoprocarb		
		Methiocarb sulfoxide		
		Methomyl		
		Oxamyl		
		Propamocarb		
		Bitertanol		
		Difenoconazole		
		Fenbuconazole		
		Flusilazole		
		Myclobutanil		
		Penconazole		
		Tebuconazole		
		2,4-D		
		Abamectin		
		Azocyclotin		
		Carbendazim		
		Cyhexatin		
		Cyromazine		
Fenbutatin Oxide				
Haloxypop				
Benalaxyl				
Boscalid				
Buprofezin				
Cadusafos				
Clofentezine				
Diflubenzuron				

**CONTINUOUS OF ANNEX TO ACCREDITATION LABORATORY CERTIFICATE NO. LP-184-IDN-SNI ISO/IEC 17025:2017 (ISO/IEC 17025:2017)**

Name of Laboratory : PT Saraswanti Indogenetech Address : Jl. Rasamala No. 20, Taman Yasmin Bogor Phone. (0251) 7532384	Issued on: 18 January 2021 Expired date: 17 January 2026
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**Accreditation scope**

Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Garlic, Shallot, Chives, Celery Seed, Mustard Seed, Mustard Powder, Javanese Long Pepper, Red Chilli Pepper, Chilli Paste, Chilli Powder, Dill Seed, Anise, Dill, Star Anise, Ender, Dill Weed, Fenugreek, Fenugreek Powder, Fenugreek Seed, Fenugreek Seed Powder, Dried Mace, Mace Powder, Raw Ginger, Dried Ginger, Ginger Puree, Ginger Powder, Caraway, Caraway Powder, Aniseed/sweet cumin, Black Cumin Seed, Black Cumin Seed Powder, Cumin, Cumin Powder, Cardamom (Ammomum), Cardamom Seed (Ammomum), Siam Cardamom (Ammomum), Indian Cardamom (Elettaria), Cardamom Seed (Elettaria), Cardamom Powder (Elettaria), Cinnamon, Cinnamon Powder, Candlenut with Shell, Candlenut, Candlenut Powder, Aromatic Ginger, Aromatic Ginger Powder, Coriander Seed, Coriander (Cilantro), Coriander Seed Powder, Pangl Nut, Turmeric, Turmeric Powder, Black Pepper, Ground Black Pepper, Pepper, ground Pepper, Mix Ground Pepper, Andaliman, Galangal, Galangal Powder, (Torch Ginger/ red ginger lily), Marjoram, Mint, Onion, Onion Powder, Oregano, Nutmeg, Distilled Nutmeg, Nutmeg Powder, Parsley, Bell Pepper Powder, Sweet Bell Pepper Powder, Rosemary, Sage, Saffron, Fingerroot, Tarragon, Thyme	Dimethomorph Dinocap Diphenylamine Dodin Ethoxyquin Fenarimol Fipronil Flutolanil Hexythiazox Imazalil Kresoxim-methyl Metalaxyl Propargite Pyrethrin Pirimethanil Pyriproxifen Quinoxifen Tebufenozide Teflubenzuron Thiabendazole Thiacloprid Tolclofos-methyl Tolyfluanid Triforin Zoxamide Prochloraz	EN 15662:2018	

**CONTINUOUS OF ANNEX TO ACCREDITATION LABORATORY CERTIFICATE NO. LP-184-IDN-SNI ISO/IEC 17025:2017 (ISO/IEC 17025:2017)**

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Accreditation scope				
Testing fields	Material or product to be tested	Type of testing or characteristic to be measured	Specification, test method, technique to be used	Remarks
Chemistry/Biology	Corn and Soybean Processed Food: 1. Low Sugar, Fat, and Chocolate Samples (e.g. Soy Milk Powder) 2. High Sugar Samples (e.g. Corn Sugar, Sweet Soy Sauce) 3. Samples Containing Lecithin, Fat, or Oil (e.g. Corn Oil, Lecithin)	Qualitative test of genetically modified food with the parameters of genetically modified ingredients (GMO) includes: 1. Promotor 35S 2. Terminator NOS 3. Soybean lectin gene 4. Adh1 maize 5. Event Roundup ready soya 6. Event MON 810 maize 7. Event MIR604 maize 8. Event GA21 maize 9. Event 3272 maize 10. Event NK603 maize 11. Event Bt-11 maize	18-1/MU/SMM-SIG (PCR)	
	Gelatin Powder, BBQ Sauce, Pizza Sauce, Spaghetti Sauce, Oyster Sauce, Marinated Sauce	Meat authenticity (Porcine DNA Identification)	18-11-47/MU/SMM-SIG (PCR)	