

	ACCREDITATION DOCUMENT	F-06/02 Issue Date: 10/08/15 Rev. No: 07 LAB 065
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Accreditation No: LAB 065

Awarded to

SGS Agriculture, Food and Life (Lab) Karachi, Pakistan.

The scope of accreditation is in accordance with the standard specifications outlined in the following page(s) of this document. The accredited scope shall be visible and legible in areas such as customer service, sample-receiving section etc and shall not mislead its users.

The accreditation was first time granted on **28-08-2013** by Pakistan National Accreditation Council.

The laboratory complies with the requirements of **ISO/IEC 17025:2017**.

The accreditation requires regular surveillance, and is valid until **27-08-2022**.

The decision of accreditation made by Pakistan National Accreditation Council implies that the organization has been found to fulfill the requirements for accreditation within the scope.

The organization however, itself is responsible for the results of performed measurements/tests.

PAKISTAN NATIONAL ACCREDITATION COUNCIL

26-02-2020
Date

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Director General

Testing Laboratory.

Accreditation Scope of SGS Agriculture, Food and Life (Lab) Karachi, Pakistan.

Permanent laboratory premises

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Wheat	Physical Testing	Broken	ISO-7970:2011
		Shrunken and Damage	ISO-7970:2011
		Foreign Matter (Edible & non edible)	ISO-7970:2011
		Bulk Density (Test Weight)	ISO7971-3-2009
Corn		Broken	CODEX STAN (153-1985), PS 4839-2007, PS 1655-1984
		Foreign matter (edible & non edible)	CODEX STAN (153-1985), PS 4839-2007, PS 1655-1984

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	Physical Testing	Damage	CODEX STAN (153-1985),PS 4839-2007,PS 1655-1984
		Immature	CODEX STAN (153-1985),PS 4839-2007,PS 1655-1984
		Discolour	CODEX STAN (153-1985),PS 4839-2007,PS 1655-1984
Rice		Broken	In-House Method AGR/LAB/SOP-12 based on PS-3342-2007& ISO 7301:2011
		Damage, shriveled	In-House Method AGR/LAB/SOP-12 based on PS-3342-2007& ISO 7301:2011
		Undermilled,red strip	In-House Method AGR/LAB/SOP-12 on PS- 3342-2007& ISO 7301:2011
		Choba	In-House Method AGR/LAB/SOP-12 based on PS-3342-2007& ISO 7301:2011
	Chalky	In-House Method AGR/LAB/SOP-12 based on PS-3342-2007& ISO 7301:2011	

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Cereals except maize, Grains	Chemical Testing	Moisture content	ISO-712:2009, Gafta 2:2(2014)
Cheese			AOAC 948.12
Liquid milk			AOAC 925.23,
Milk powder			BIS 16072
Corn			ISO6540:1980,
Meals / Feeds except oil seed meals			GAFTA 2:1(2014), ISO 6496:1999, AACC 44- 19.01
Oil seed meal			ISO 771:1977
Sugar			ICUMSA GS 2/1/3/9- 15(2007)

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Cereals, Grains and pulses	Chemical Testing	Ash Content	ISO-2171:2007
Liquid milk			AOAC 945.46
Milk powder			AOAC 930.30
Feeds, Meals,			GAFTA 12:0(2014), ISO 5984:2002, AOAC 942.05, AACC 08-03.01
Sugar			ICUMSA, GS 1-10 (1998)
Flour, white flour, whole grain, products made from plants, seeds, fruits, milk, rice, cereal crops, meat products, meat extract, non alcoholic beverages and sea food products			FD-TA-002_V4

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Cereals, Grains, Feeds, Meals,	Chemical Testing	Protein Content	AOAC 2001.11(4.2.11),
Cereal, grains, feeds, meals, chocolate, Dairy			SGS Inhouse Method AGR/Lab/SOP-99 method based on AOAC 2001.11 AND AACC 46-12
Wheat		Gluten Content mech. (wet)	AACC 38-12.02
		Gluten Content mech. (dry)	AACC 38-12.02
		Gluten Index	AACC 38-12.02
		Gluten Content manual (wet)	AACC 38-10.01
		Falling Number	ISO 3093:2009
Sugar		ICUMSA Color 9	ICUMSA GS 2/3-9(2005)
		ICUMSA Color 10	ICUMSA GS 2/3/-10 (2011)

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	Chemical Testing	Polarization	ICUMSA GS 2/3-1(2011)
Cereals, grains, feeds, oil seeds		Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2 Total Aflatoxin	SGS inhouse method AGR/Lab/SOP-51 based on ISO16050:2003
Cereals, grains, feeds, oil seeds, dry fruits, spices		Total Aflatoxin	Veratox for Aflatoxin quantitative Test Product no. 8030 FGIS-2018-113
Red chili		Total Aflatoxin	USDA-FGIS Aflatest Fluorometer Instruction manual VICAM Method no. 4.28
Dairy Products		Aflatoxin M1	Veratox Aflatoxin M1(Kit method Neogen) Product no. 8019
Cereals, grains, feeds, oil seeds, dry fruits, spices		Ochratoxin	Veratox for Ochratoxin(kit method Neogen) Product no. 8610
Cereals		Deoxynivalenol	SGS in house method AGR/Lab/SOP-47 based on Czech J. Food Sci. 20;63-68
		Zearalenone	Veratox for zearalenone (Kit Method Neogen) Product no. 8110

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Oil and Fat,	Chemical Testing	FFA/ Acid Value	<i>AOAC 940.28</i>
		Peroxide Value	<i>AOAC 965.33</i>
		Iodine Value	<i>AOCS Cd 1d-25</i>
Milk		Fat	<i>AOAC 989.05</i>
Milk powder			<i>AOAC 932.06</i>
Cheese			<i>AOAC 933.05</i>
Feeds and meals except oil seed meal			<i>Gafta 3:0-2014, ISO 6492:1999,</i>
Oil seeds meals			<i>ISO 734 1:2006</i>
Cereals	DNA typing/ Authentication	(Agilent publication, 2007) Bligh H.F., IJFST, 2000, 35;257-265	

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All type of Food/Feed /Fabric		GMO Analysis	ISO-21569-2005 (Qualitative)
All types of Food / Feed & Beverages	Microbiological Testing	Total Plate Count	Bacteriological analytical manual online USFDA chap no.3 (Jan 2001) 8th Edition, Revision A,
		Total Coliform By solid method	Bacteriological analytical manual online USFDA chap no.4 (07/2017) 8th Edition, Revision A, 1998
		Total Coliform By MPN method	Bacteriological analytical manual online USFDA chap no.4 (07/2017) 8th Edition, Revision A,
		Total fecal coliform by MPN method	Bacteriological analytical manual online USFDA chap no. 4(07/2017) 8th Edition, Revision A,
		E. coli by solid medium method	Bacteriological analytical manual online USFDA chap no.4 (07/2017) 8th Edition, Revision A,
		E. coli by MPN method	Bacteriological Analytical Manual, 8th Edition, Revision A, 1998. Chapter 4, 8th Edition, Revision A,
		Staphylococcus aureus by MPN method	Bacteriological analytical manual online USFDA chap no.12 (03/2016) 8th Edition, Revision A

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All types of Food / Feed & Beverages	Microbiological Testing	Staphylococcus aureus by direct plate method	Bacteriological analytical manual online USFDA chap no.12 (03/2016) 8th Edition, Revision A
		Salmonella	Bacteriological analytical manual online USFDA chap no.05 (08/2016) 8th Edition, Revision A,
		Yeast & molds by dilution plating technique	Bacteriological analytical manual online USFDA chap no.18 (April 2001) 8th Edition, Revision A,
		Enumeration of Bacillus Cereus by Plate count	Bacteriological analytical manual online USFDA chap no.14 (Feb 2012) 8th Edition, Revision A,
		Detection of Listeria Monocytogenes	Bacteriological analytical manual online USFDA chap no.10 (March 2017)
		Enumeration of Enterobacteriaceae	ISO 21528-2
		Detection of Clostridium Perfringes	ISO 7937(2014)

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