

Laboratory **Assurance Laboratory, LT Foods Limited, 43 KM Stone, G.T. Road, Bahalgarh, Sonipat, Haryana**

Accreditation Standard **ISO/IEC 17025: 2005**

Certificate Number **TC-7089**

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Validity **09.08.2019 to 26.03.2020**

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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CHEMICAL TESTING

I.	FOOD & AGRICULTURAL PRODUCTS			
1.	Cereal & Cereals Products			
a.	Milled Rice (Non Parboiled & Parboiled) Husked Rice or Brown Rice (Non Parboiled & Parboiled)	Varietal Admixture (Non Basmati & Basmati)	IS 4333 (Part 1): 1996 (RA 2012) Lab SOP(LTFAC/TP-IN-006(a)_D.O.I.-12/01/2017	1 % to 20 %
		Foreign matter	IS 4333 (Part 1): 1996 (RA 2012)	0.10 % to 5 %
			ISO 7301:2011	
		Other food grains	IS 4333 (Part 1): 1996 (RA 2012)	0.10 % to 5 %
		Paddy	IS 4333 (Part 1): 1996 (RA 2012)	0.10 % to 5 %
		Red kernels / Red streaked kernel	IS 4333 (Part 1): 1996 (RA 2012)	0.10 % to 5%
			ISO 7301:2011	
		Broken Kernels	IS 4333 (Part 1): 1996 (RA 2012)	0.10 % to 30 %
			ISO 7301:2011	
		Immature Kernels	IS 4333 (Part 1): 1996 (RA 2012)	0.10 % to 15 %
			ISO 7301:2011	
		Damaged & Discolored Kernels	IS 4333 (Part 1): 1996 (RA 2012)	0.10 % to 5 %
			ISO 7301:2011	
		Chalky kernel	IS 4333 (Part 1): 1996 (RA 2012)	0.10 % to 30 %
		ISO 7301:2011		
	Length of Kernel	ISO 7301:2011/ Lab SOP (LTFAC/TP-IN-002	2 mm to 12 mm	

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			(a) D.O.I.-12/01/2017	
		Breadth of Kernel	Lab SOP (LTFAC/TP-IN-002 (b) D.O.I.-12/01/2017	1 mm to 3 mm
		Length/Breath Ratio	By calculation/ Lab SOP (LTFAC/TP-IN-002 (b) D.O.I.-12/01/2017	2 mm to 6 mm
		Moisture	IS 4333 (Part-II):2002 RA 2012/ ISO 712:1998	1 % to 20 %
		Total Fat	IS 4684:1975 (RA 2009)	0.20 % to 30 %
		Aflatoxin Total	Lab SOP (LTFAC/TP-IN-001 (c) D.O.I.-12/01/2017	2 µg/kg to 40 µg/kg
		Aflatoxin B1	Lab SOP (LTFAC/TP-IN-001 (d) D.O.I.-12/01/2017	1.50 µg/kg to 15 µg/kg
		Ochratoxin A	Lab SOP (LTFAC/TP-IN-001 (e) D.O.I.-12/01/2017	1.25 µg/kg to 50 µg/kg
		Protein	IS 7219:1973 (RA 2005)	5 % to 10 %
		Carbohydrate	Lab SOP (LTFAC/TP-IN-005(a) D.O.I.-19/11/2017	65 % to 85 %
		Energy value	Lab SOP (LTFAC/TP-IN-005(a) D.O.I.-19/11/2017	320 kcal/100g to 380 kcal/100g
		Amylose Content	ISO 6647 Part 2:2015	1 % to 30 %
2.	Paddy	Moisture	IS 4333 (Part 1): 1996 (RA 2012)	7 % to 17 %

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