

Laboratory Quality Services & Solutions Pvt. Ltd. (QSS), 67-68, 68A, Bhavani Complex, 1st Floor, Office No-106, Sector No-19A, Vashi, Navi Mumbai, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7860

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Validity 26.09.2018 to 25.09.2020

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 AND AGRICULTURAL PRODUCTS			
1.	<b>Cereals, Pulses &amp; Cereal Products</b>			
a.	<b>Wheat Flour</b>	Moisture	IS 1155	1 % to 25 %
b.	<b>Rava</b>	Moisture	IS 1010	1 % to 25 %
c.	<b>Rice</b>	Moisture	IS 4333 (Part 2)	1 % to 25 %
		Impurity	QSS/VA/LAB/SOP/02	0.01 % to 20 %
		Damaged	(Rev.00, Issue No.01,	
		Discolored	Dated. 01/06/2017)	
		Chalky		
d.	<b>Roasted Gram</b>	Broken		0.1 % to 25 %
		Moisture	IS 4333(Part 2)	1 % to 25 %
		Foreign matter	QSS/VA/LAB/SOP/02	0.01 % to 20 %
e.	<b>Wheat</b>	(Rev.00, Issue No.01,		
		Dated. 01/06/2017)		
		Moisture	IS 4333 (Part 2)	1 % to 25 %
		Impurity	QSS/VA/LAB/SOP/02	0.01 % to 20 %
		Damaged	(Rev.00, Issue No.01,	
f.	<b>Flax Seed</b>	Discolored	Dated. 01/06/2017)	
		Broken		
		Moisture	IS 4333 (Part 2)	1 % to 25 %
		Impurity	QSS/VA/LAB/SOP/02	0.01 % to 20 %
g.	<b>Millet</b>	(Rev.00, Issue No.01,		
		Dated. 01/06/2017)		
		Moisture	IS 4333 (Part 2)	1 % to 25 %
h.	<b>Sorghum (jowar)</b>	Impurity	QSS/VA/LAB/SOP/02	0.01 % to 20 %
		Moisture	IS 4333 (Part 2)	1 % to 25 %

Amit Kumar  
Convenor

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Program Manager

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		Impurity	QSS/VA/LAB/SOP/02 (Rev.00, Issue No.01, Dated. 01/06/2017)	0.01 % to 20 %
		Broken		
<b>i.</b>	<b>Maize</b>	Moisture	ISO 6540	1 % to 25 %
		Damaged	QSS/VA/LAB/SOP/02 (Rev.00, Issue No.01, Dated. 01/06/2017)	0.01 % to 20 %
		Immature		
		Broken		
		Discolored		
		Weevilled seeds		
<b>j.</b>	<b>Chick Peas</b>	Moisture	IS 4333 (Part 2)	1 % to 25 %
		Broken	QSS/VA/LAB/SOP/02 (Rev.00, Issue No.01, Dated. 01/06/2017)	0.1 % to 20 %
		Damaged		
		Discolored		
		Aborted		
		Split		
		Smooth		
		Stain		
		Warm Bittern		
<b>k.</b>	<b>Moog</b>	Moisture	IS 4333 (Part 2)	1 % to 25 %
		Impurity	QSS/VA/LAB/SOP/02 (Rev.00, Issue No.01, Dated. 01/06/2017)	0.01 % to 20 %
<b>l.</b>	<b>Sun Hemp</b>	Moisture	IS 4333 (Part 2)	1 % to 25 %
		Impurity	QSS/VA/LAB/SOP/02 (Rev.00, Issue No.01, Dated. 01/06/2017)	0.01 % to 20 %
<b>m.</b>	<b>Barley</b>	Moisture	IS 4333 (Part 2)	1 % to 25 %
		Impurity	QSS/VA/LAB/SOP/02 (Rev.00, Issue No.01, Dated. 01/06/2017)	0.01 % to 20 %

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<b>2.</b>	<b>Herbs, Spices &amp; Condiments</b>			
<b>a.</b>	<b>Fenugreek seeds</b>	Moisture	IS 1797	1 % to 25 %
		Extraneous Matter	ISO 927	0.01 % to 20 %
<b>b.</b>	<b>Turmeric Finger</b>	Extraneous Matter	ISO 927	0.01 % to 20 %
		Foreign Matter		
		Broken	IS 3576	0.1 % to 25 %
		Insect		
		Moisture	IS 1797	1 % to 25 %
<b>c.</b>	<b>Turmeric powder</b>	Moisture	IS 1797	1 % to 25 %
<b>d.</b>	<b>Chilly whole</b>	Moisture	IS 1797	1 % to 25 %
		Extraneous Matter	ISO 927	0.1 % to 25 %
		Damaged	IS 2322	
		Discolored		
		Broken		
<b>e.</b>	<b>Chilly powder</b>	Moisture	IS 1797	1 % to 25 %
<b>f.</b>	<b>Coriander seeds</b>	Moisture	IS 1797	1 % to 25 %
		Extraneous Matter	ISO 927	0.01 % to 20 %
		Broken	IS 2443	0.01 % to 25 %
		Split		
		Weevilled		
<b>g.</b>	<b>Coriander Powder</b>	Moisture	IS 1797	1 % to 25 %
<b>h.</b>	<b>Cumin Seeds</b>	Moisture	IS 1797	1 % to 25 %
		Extraneous Matter	ISO 927	0.01 % to 20 %
<b>i.</b>	<b>Cumin Powder</b>	Moisture	IS 1797	1 % to 25 %
<b>j.</b>	<b>Ajwain</b>	Moisture	IS 1797	1 % to 25%
		Extraneous Matter	ISO 927	0.01 % to 20 %
<b>k.</b>	<b>Black paper</b>	Moisture	IS 1797	1 % to 25 %
		Extraneous Matter	ISO 927	0.01 % to 20 %
<b>l.</b>	<b>Fennel seeds</b>	Moisture	IS 1797	1 % to 25 %
		Extraneous matter	ISO 927	0.01 % to 25 %
<b>m.</b>	<b>Raisins</b>	Moisture	IS 1797	5 % to 25 %
		Extraneous matter	ISO 927	0.01 % to 20 %

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		Cap stem	QSS/VA/LAB/SOP/03 (Rev.00, Issue No.01, Dated. 01/06/2017)	0.1 % to 25 %
		Immature		
		Shriveled		
		Mouldy		
n.	Cardamom	Moisture	IS 1797	1 % to 25 %
		Extraneous matter	ISO 927	0.1 % to 20 %
o.	Nutmeg	Moisture	IS 1797	2 % to 25 %
		Fungus	ISO 6577	0.1 % to 25 %
		Broken	ISO 6577	0.1 % to 25 %
		Wrinkled	ISO 6577	0.1 % to 25 %
p.	Nutmeg powder	Moisture	IS 1797	1 % to 25 %
q.	Tamarind	Moisture	IS 1797	5 % to 30 %
		% of seeds	IS 6364	0.01 % to 50 %
r.	Dry ginger	Moisture	IS 1797	1 % to 25 %
		Extraneous matter	ISO 927	0.01 % to 20 %
s.	Dry ginger powder	Moisture	IS 1797	1 % to 25 %
t.	Bay leaves	Moisture	IS 1797	1 % to 25 %
u.	Annatto seeds	Moisture	IS 1797	1 % to 25 %
		Extraneous matter	ISO 927	0.01 % to 20 %
v.	Curry powder	Moisture	IS 1797	1 % to 25 %
w.	Dill seeds	Moisture	IS 1797	1 % to 25 %
		Extraneous matter	ISO 927	0.01 % to 20 %
x.	clove	Moisture	IS 1797	1 % to 25 %
		Extraneous matter	ISO 927	0.01 % to 20 %
y.	Senna leaves	Moisture	IS 1797	1 % to 25 %
		Extraneous matter	ISO 927	0.01 % to 20 %
		Foreign matter	ISO 927	0.01 % to 20 %
z.	Senna Pods	Moisture	IS 1797	1 % to 25 %
		Extraneous matter	ISO 927	0.01 % to 20 %
		Foreign matter	ISO 927	0.01 % to 20 %

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<b>3.</b>	<b>Oil Seeds &amp; by Products</b>			
<b>a.</b>	<b>Natural Sesame Seeds</b>	Admixture	QSS/VA/LAB/SOP/01 (Rev.00, Issue No.01, Dated. 01/06/2017)	0.01 % to 25 %
		Dark color seeds		
		Other colorseeds		
		Rain damaged (rain effects)		
		Whitish		
		Moisture	IS 3579	1 % to 20 %
		Oil content		0.1 % to 60 %
		Free fatty acid	IS 548 (Part 1)	0.1 % to 10 %
<b>b.</b>	<b>Hulled Sesame Seeds</b>	Admixture	QSS/VA/LAB/SOP/01 (Rev.00, Issue No.01, Dated. 01/06/2017)	0.01 % to 20 %
		Moisture	IS 3579	1 % to 20 %
		Oil content		0.1 % to 60 %
		Free fatty acid	IS 548 (Part 1)	0.1 % to 10 %
<b>c.</b>	<b>Black Sesame Seeds</b>	Admixture	QSS/VA/LAB/SOP/01 (Rev.00, Issue No.01, Dated. 01/06/2017)	0.01 % to 25 %
		Moisture	IS 3579	1 % to 20 %
		Oil content		0.1 % to 60 %
		Free fatty acid	IS 548 (Part 1)	0.1 % to 10 %
		Admixture	QSS/VA/LAB/SOP/01 (Rev.00, Issue No.01, Dated. 01/06/2017)	0.01 % to 25 %
		Oil content	IS 3579	0.1 % to 60 %
		Free fatty acid	IS 548 (Part 1)	0.1 % to 10 %
<b>d.</b>	<b>Mustard Seeds</b>	Moisture	IS 3579	1 % to 20 %
		Impurity	QSS/VA/LAB/SOP/01 (Rev.00, Issue No.01, Dated. 01/06/2017)	0.01 % to 25 %

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e.	<b>Sunflower Seeds</b>	Moisture	IS 3579	1 % to 20 %
		Impurity	QSS/VA/LAB/SOP/01 (Rev.00, Issue No.01, Dated. 01/06/2017)	0.01 % to 25 %
f.	<b>Safflower Seeds</b>	Moisture	IS 3579	1 % to 20 %
		Impurity	QSS/VA/LAB/SOP/01 (Rev.00, Issue No.01, Dated. 01/06/2017)	0.01 % to 25 %
g.	<b>Groundnut Seeds</b>	Moisture	IS 3579	1 % to 25 %
		Impurity	QSS/VA/LAB/SOP/01 (Rev.00, Issue No.01, Dated. 01/06/2017)	0.01 % to 20 %
		Broken		
		Damaged		
		Split		
		Immature		
		Discolored		
		Dehusk		
		Shrivelled		

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