

Laboratory **Food Testing Laboratory, Junagadh Agricultural University,
Junagadh, Gujarat**

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

Certificate Number **TC-7389 (in lieu of T-2243)**

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Validity **07.06.2018 to 06.06.2020**

Last Amended on 09.06.2018

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.	Edible Oils and Fats			
a.	Groundnut Oil Cottonseed Oil	Acetyl Value	AOAC 20 th Edition, 2005 921.09	(0.4 to 200) mg KOH / g
		Hydroxyl Value	AOAC 20 th Edition, 2005 965.32	(3 to 100) mg eq KOH / g
		Iodine Absorption Number	AOAC 20 th Edition, 2005 920.159	(10 to 200) I ₂ number / g
		Iodine Value	AOAC 20 th Edition, 2005 993.20	(10 to 250) g I ₂ /g
		Moisture Content	AOAC 20 th Edition, 2005 984.20	0.02 % to 3 %
		Peroxide Value	AOAC 20 th Edition, 2005 965.33	(0.2 to 50 meq) Peroxide / Kg
		Saponification Value	AOAC 20 th Edition, 2005 920.160	(10 to 300) mg KOH / g
II.	WATER			
1.	Potable Water Irrigation Water	pH	AOAC 20 th Edition, 2005 973.41	3.0 units to 11.0 units
		Acidity (as CaCO ₃)	AOAC 20 th Edition, 2005 973.42	5 mg/L to 1000 mg/L
		Alkalinity (as CaCO ₃)	AOAC 20 th Edition, 2005 973.43	5 mg/L to 1000 mg/L
		Dissolved Oxygen	AOAC 20 th Edition, 2005 973.45	0.1 mg/L to 14 mg/L
		Chemical Oxygen Demand (COD)	AOAC 20 th Edition, 2005 973.46	1 mg/L to 1000 mg/L

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		Chloride (as Cl)	AOAC 20 th Edition, 2005 973.51	5 mg/L to 1000 mg/L
		Hardness (as CaCO ₃)	AOAC 20 th Edition, 2005 973.52	2 mg/L to 5000 mg/L

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