

Laboratory **Quality Assessment Laboratory, Fragrance and Flavour Development Centre, Industrial Estate, Makrand Nagar, Kannauj, Uttar Pradesh**

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

Certificate Number **TC-7161 (in lieu of T-0155)**

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Validity **01.03.2018 to 29.02.2020**

Last Amended on **13.04.2018**

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.	COSMETICS & ESSENTIAL OILS			
1.	Essential Oils & Natural Attars (Based on Sandal Oil & Mineral Oil)	Specific gravity	IS 326 (Part 3)	0.4999 to 1.9999
		Optical rotation	IS 326 (Part 4)	(-) 150 ° to (+) 150 °
		Refractive Index	IS 326 (Part 5)	1.2999 to 1.6999
		Solubility in dilute alcohol	IS 326 (Part 6)	Qualitative
		Polyethylene glycol identification	IS 329	Qualitative
		Acid value (Natural)	IS 326 (Part 7)	1 % to 25 %
		Acid value (Adulterated)		1 % to 50 %
		Ester value (Natural)	IS 326 (Part 8)	1 % to 50 %
		Ester value (Adulterated)		1 % to 200 %
		Ester value after Acetylation (Natural)	IS 326 (Part 9)	1 % to 300 %
		Ester value after Acetylation (Adulterated)		1 % to 350 %
		Identification of major/minor component (% Purity)	IS 326 (Part 19)	0.001% to 100%
2.	Aroma Chemicals/ Isolates	Specific gravity	IS 326 (Part 3)	0.4999 to 1.9999
		Optical rotation	IS 326 (Part 4)	(-) 150 ° to (+) 150 °
		Refractive Index	IS 326 (Part 5)	1.2999 to 1.6999
		Solubility in dilute alcohol	IS 326 (Part 6)	Qualitative

Pooja Singh
Convenor

Alok Jain
Program Director

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		Acid value (Natural)	IS 326 (Part 7)	1 % to 25 %
		Acid value (Adulterated)		1 % to 50 %
		Ester value (Natural)	IS 326 (Part 8)	1 % to 50 %
		Ester value (Adulterated)		1 % to 200 %
		Ester value after Acetylation(Natural)	IS 326 (Part 9)	1 % to 300 %
		Ester value after Acetylation (Adulterated)		1 % to 350 %
		Identification of major/minor component (% Purity)	IS 326 (Part 19)	0.001 % to 100 %
3.	Floral Water	pH Value	IS 3025 (Part 11)	2 to 12
4.	Fragrance/ Flavour	Specific gravity	IS 326 (Part 3)	0.4999 to 1.9999
		Optical rotation	IS 326 (Part 4)	(-) 150 ° to (+) 150 °
		Refractive Index	IS 326 (Part 5)	1.2999 to 1.6999
		Identification of major/minor component (% Purity)	IS 326 (Part 19)	Qualitative
5.	Aromatic Plants/ Herbs (Hydrodistillate)	Oil Content (% yield)	QAL-SOPM-201 Issue No.: 06 Issue Date: 2016	0.01 % to 25 %
		Concrete content (% yield)	QAL- SOPM -201 Issue No.: 06 Issue Date: 2016	0.01 % to 35 %