

Laboratory	Quality Control Laboratory, Ultra International Limited, 64/1 Site-IV, Sahibabad Industrial Area, Ghaziabad, Uttar Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	11.09.2015
Certificate Number	T-3567	Valid Until	10.09.2017
Last Amended on	25.10.2016	Page	1 of 11

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	COSMETICS AND ESSENTIAL OILS			
1.	Essential Oils	Odour	Olfactory As per IS 2284: 1988 (RA 2003)	Qualitative
		Refractive Index	STP No. T2-001 (Version: 02 Issue date: 08.09.14) As per IS 326 (Part 5): 2005, ISO 280: 1998 (Refractormeter)	1.300 to 1.700
		Specific Gravity	STP No. T2-002 (Version: 02 Issue date: 08.09.14) As per IS 326 (Part 3): 2006, ISO 279: 1998 (Pyknometer)	0.6 to 1.2
		Optical Rotation	STP No. T2-003 (Version : 02 Issue date: 08.09.14) As per IS 326 (Part 4): 2005, ISO 592: 1998 (Digital Polarimeter)	(±)80 °
		Flash Point	STP No. T2-007 (Version : 02 Issue date: 08.09.14) As per IS 1448 (Part 20): 1998, IS 1448 (Part 21): 2012, ISO 2719: 2002 (Closed cup flash point tester)	30 °C to 250 °C
		Moisture/Water Content	STP No. T2-017 (Version : 01 Issue date : 02.07.14) As per IS 326 (Part 21): 2001, ISO 11021: 1999 (Karl fisher titrator)	0.1 % to 20 %

Laboratory **Quality Control Laboratory, Ultra International Limited, 64/1 Site-IV, Sahibabad Industrial Area, Ghaziabad, Uttar Pradesh**

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

Discipline **Chemical Testing** **Issue Date** **11.09.2015**

Certificate Number **T-3567** **Valid Until** **10.09.2017**

Last Amended on **25.10.2016** **Page** **2 of 11**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Essential Oils	Acid Value	STP No. T2-005 (Version: 02 Issue date: 08.09.14) As per IS 326 (Part 7): 2006, ISO 1242: 1999 (Acid base titration)	0.1 to 25
		Ester Value	STP No. T2-009 (Version : 02 Issue date : 08.09.14) As per IS 326 (Part 8): 2005, ISO 709: 2001	300
		Peroxide Value	STP No. T-012 (Version: 02 Issue date : 08.09.14) As per IS 548 (Part 1): 1964 (RA 2010), ISO 18321	1 to 200 milli-equiv./kg
		Fatty Acids Profile	STP No. T2-018 (Version: 01 Issue date: 02.07.14) In-House method as per guideline of AOAC (17 th Edition) (Gas Chromatograph)	Qualitative
		Furocoumarins	STP No. T2-016 (Version : 01 Issue date : 05.05.14) (In house validated HPLC method)	1 ppm to 10000 ppm
		Chemical Composition by GLC	STP No. T2-013 (Version: 02 Issue date: 08.09.14)	0.1 % to 100 %
2.	Oil of Eucalyptus Citriodora	1, 8 - Cineole content	IS 9257: 1993 (RA 2000)	≥ 60 %

**Anita Rani
Convenor**

**N. Venkateswaran
Program Manager**

Laboratory	Quality Control Laboratory, Ultra International Limited, 64/1 Site-IV, Sahibabad Industrial Area, Ghaziabad, Uttar Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	11.09.2015
Certificate Number	T-3567	Valid Until	10.09.2017
Last Amended on	25.10.2016	Page	3 of 11

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
3.	Oil of Lemon Grass (East Indian Oil Of Lemon Grass)	Citral content	IS 327: 1991 (RA 2002) & ISO 4718: 2004	≥ 75 %
4.	Oil of Sandalwood	Alpha Santalol content Beta Santalol content	IS 329: 2004 (RA 2010) & ISO 3518: 2002	41 % to 55 % 16 % to 24 %
5.	Cinnamon Leaf Oil	Eugenol content	IS 6699: 1989 (RA 2000)	70 % to 85 %
	Oil of Palmarosa	Geraniol content	IS 526: 2007 & ISO 4727: 1988	75 % to 90 %
6.	Oil of Dill	Limonene content Carvone content	IS 3147: 1965	20 % to 36 % 25 % to 40 %
7.	Oil of Rosemary	1, 8 - Cineol content Camphene content Alpha Pinene content Camphor content	IS 3249: 1965 & ISO 1342: 2012	16 % to 25 % 8 % to 12 % 18 % to 26 % 13 % to 21 %
8.	Oil of Bois De Rose	Citronellol content Geraniol content	IS 3227: 1965	32 % to 52 % 18 % to 32 %
9.	Oil of Clove	Eugenol content	IS 6698: 1972 (RA 2010)	≥ 80 %
10.	Oil of Citronella (Java)	Citronellal content Geraniol content	IS 512: 1988 (RA 2003) & ISO 3848: 2001	30 % to 50 % 20 % to 30 %

**Anita Rani
Convenor**

**N. Venkateswaran
Program Manager**

Laboratory	Quality Control Laboratory, Ultra International Limited, 64/1 Site-IV, Sahibabad Industrial Area, Ghaziabad, Uttar Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	11.09.2015
Certificate Number	T-3567	Valid Until	10.09.2017
Last Amended on	25.10.2016	Page	4 of 11

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
11.	Oil of Vetiver (Cultivated And Khus)	Khusimol content	IS 1177: 1996 (RA 2002)	5 % to 10 %
12.	Oil of Himalyan Cedarwood	Himachalene content	IS 1615: 1996	≥ 50 %
13.	Oil of Mentha Arvensis	Menthol content	IS 528: 1999 (RA 2006)	70 % to 75 %
14.	Gum Spirit of Turpentine (Oil of Turpentine)	Delta 3 carene content	IS 533: 2007 & ISO 11020: 1998	70 % to 85 %
15.	Oil of Basil, Methyl Chavicol Type	Estragol content	IS 15136: 2002 & ISO 11043: 1998	65 % to 90 %
16.	Oil of Dill Seed	Limonene content	IS 3147: 1992	20 % to 35 %
		Carvone content		25 % to 40 %
17.	Sweet Orange Oil, Cold Pressed (Food Grade)	Limonene content	IS 1909: 1986 (RA 2003)	90 % to 96 %
18.	Oil of Clove Leaves	Eugenol content	ISO 3141: 1997	≥ 80 %
19.	Oil of Clove Buds	Eugenol content	ISO 3142: 1997	≥ 80 %
20.	Oil of Clove Stem	Eugenol content	ISO 3143: 1997	≥ 80 %

**Anita Rani
Convenor**

**N. Venkateswaran
Program Manager**

Laboratory	Quality Control Laboratory, Ultra International Limited, 64/1 Site-IV, Sahibabad Industrial Area, Ghaziabad, Uttar Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	11.09.2015
Certificate Number	T-3567	Valid Until	10.09.2017
Last Amended on	25.10.2016	Page	5 of 11

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
21.	Oil of Nutmeg, Indonesian Type	Myristicin content	ISO 3215: 1998	8 % to 11 %
22.	Oil of Cassia, Chinese Type	Cinnamic aldehyde content	ISO 3216: 1997	75 % to 86 %
23.	Oil of Lavender	Linalool content	ISO 3515: 2002	25 % to 40 %
		Linalyl acetate content		25 % to 46 %
24.	Oil of Coriander Fruits	Linalool content	ISO 3516: 1997	60 % to 75 %
25.	Oil of Lime Distilled, Mexican Type	Limonene content	ISO 3519: 2005 & ISO 3809: 2004	25 % to 50 %
26.	Essential Oil of Spike Lavender	Eucalyptol content	ISO 4719: 2012	23 % to 30 %
		Linalool content		35 % to 45 %
27.	Oil of Pimento Leaf	Eugenol content	ISO 4729: 1984	≥ 75 %
28.	Essential Oil of Geranium	Citronellol content	ISO 4731: 2012 & IS 587: 1997 (RA 2003)	35 % to 45 %
29.	Oil of Melaleuca (Tea Tree Oil)	Cineol content	ISO 4730: 2004	≤ max 15 %
		Terpinene -4-ol content		≥ 30 %
30.	Oil of Thyme Containing Thymol, Spanish Type	Thymol content	ISO 14715: 2010	35 % to 55 %

**Anita Rani
Convenor**

**N. Venkateswaran
Program Manager**

Laboratory	Quality Control Laboratory, Ultra International Limited, 64/1 Site-IV, Sahibabad Industrial Area, Ghaziabad, Uttar Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	11.09.2015
Certificate Number	T-3567	Valid Until	10.09.2017
Last Amended on	25.10.2016	Page	6 of 11

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
31.	Oil of Bitter Orange	Limonene content	ISO 9844: 2006	93 % to 95 %
32.	Oil of Dalmatian Sage	Thujone content	ISO 9909: 1997	21 % to 28 %
		Camphor content		15 % to 30 %
33.	Oil of Fir Needle, Siberian	Delta 3 carene content	ISO 10869: 2010	10 % to 14 %
		Bornyl Acetate content		25 % to 35 %
34.	Essential Oil of Caraway	Carvone content	ISO/AWI 8896	50 % to 65 %
35.	Oil of Juniper Berry	Myrcene content	ISO 8897: 2010	8 % to 35 %
		Alpha pinene content		20 % to 50 %
36.	Oil of Bergamot Petitgrain	Linalyl acetate content	ISO 8900: 2005	40 % to 72 %
37.	Oil of Lavandin Grosso	Linalool content	ISO 8902: 2009	24 % to 37 %
		Linalyl acetate content		25 % to 38 %
38.	Oil of Cumin Seed	Cuminic aldehyde content	ISO 9301: 2003	35 % to 62 %
39.	Oil of Mentha Arvensis, Partially Ementholized	Menthol content	ISO 9776: 1999	36 % to 44 %
40.	Oil of Bitter Fennel	Estragole content	ISO 17412: 2007	≤ 6 %
		Anethole content		70 % to 80 %

Laboratory	Quality Control Laboratory, Ultra International Limited, 64/1 Site-IV, Sahibabad Industrial Area, Ghaziabad, Uttar Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	11.09.2015
Certificate Number	T-3567	Valid Until	10.09.2017
Last Amended on	25.10.2016	Page	7 of 11

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
41.	Oil of Blue Chamomile	1,8-Cineol content	ISO 19332: 2007	15 % to 25 %
42.	Essential Oil of Thyme	Thymol content	ISO /AWI 19817	35 % to 55 %
43.	Oil of Australian Sandalwood	Alpha santalol content	ISO 22769: 2009	15 % to 25 %
		Beta santalol content		5 % to 20 %
44.	Oil of Cananga	Caryophyllene content	ISO 3523: 2002	30 % to 40 %
45.	Oil of Sage, Spanish	1,8-Cineol content	ISO 3526: 2005	10 % to 30 %
		Camphor content		11 % to 36 %
46.	Essential Oil of Mandarin, Italian Type	Limonene content	ISO 3528: 2012	≥ 90 %
47.	Oil of Patchouli	Patchouli alcohol content	ISO 3757: 2002 & IS 3398: 2003	≥ 30 %
48.	Oil of Spearmint – Part 3: Indian Type	L- Carvone content	ISO 3033-1: 2005	58 % to 65 %
49.	Oil of Grapefruit	Limonene content	ISO 3053: 2004	50 % to 95 %
50.	Oil of Lavandin Abrial, French Type	Linalyl acetate content	ISO 3054: 2001	35 % to 47 %
		Linalool content		25 % to 37 %
51.	Oil of Black Pepper	Caryophyllene content	ISO 3061: 2008 & IS 15070: 2001	10 % to 34 %

**Anita Rani
Convenor**

**N. Venkateswaran
Program Manager**

Laboratory	Quality Control Laboratory, Ultra International Limited, 64/1 Site-IV, Sahibabad Industrial Area, Ghaziabad, Uttar Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	11.09.2015
Certificate Number	T-3567	Valid Until	10.09.2017
Last Amended on	25.10.2016	Page	8 of 11

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
52.	Essential Oil of Petitgrain, Paraguayan Type	Linalyl acetate content	ISO/FDIS 3064	40 % to 75 %
		Linalool content		10 % to 32 %
		Limonene content		1 % to 6 %
53.	Oil of Eucalyptus, Australian Type	Citronellal content	ISO 3065: 2011	70 % to 85 %
54.	Essential Oil of Ginger	Zingiberene content	ISO 16928: 2014	25 % to 40 %
55.	Oil of Lemon	Limonene content	ISO 855: 2003	65 % to 75 %
56.	Oil of Peppermint	L-Menthol content	ISO 856: 2006	25 % to 45 %
		Menthone content		25 % to 35 %
57.	Oil of Lime Expressed, Persian Type	Limonene content	ISO 23954: 2009	25 % to 50 %
		Gamma terpinene content		10 % to 25 %
58.	Intermediates & Miscellaneous Chemicals for Cosmetics (Aromatic Chemicals)	Odour	Olfactory, As per IS 2284: 1988 (RA 2003)	Qualitative
		Refractive Index	STP No. T2-001 (Version : 02 Issue date 08.09.14) IS 326 (Part 5): 2005, ISO 280: 1998 (Refractometer)	1.300 to 1.700
		Specific Gravity	STP No. T2-002 (Version : 02 Issue date: 08.09.14) As per IS 326 (Part 3): 2006, ISO 279: 1998 (Pyknometer)	0.6 to 1.2

Laboratory	Quality Control Laboratory, Ultra International Limited, 64/1 Site-IV, Sahibabad Industrial Area, Ghaziabad, Uttar Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	11.09.2015
Certificate Number	T-3567	Valid Until	10.09.2017
Last Amended on	25.10.2016	Page	9 of 11

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Intermediates & Miscellaneous Chemicals for Cosmetics (Aromatic Chemicals)	Optical Rotation	STP No. T2-003 (Version: 02 Issue date : 08.09.14) As per IS 326 (Part 4): 2005, ISO 592: 1998 (Digital Polarimeter)	(±)80 °
		Melting Point	STP No. T2-006 (Version : 02 Issue date: 08.09.14) As per IS 326 (Part 16): 1989 (RA 2003) (Melting point apparatus)	30 °C to 250 °C
		Moisture/Water Content	STP No. T2-017 (Version : 01 Issue date: 02.07.14) As per IS 326 (Part 21): 2001, ISO 11021: 1999 (Karl fisher titrator)	0.1 % to 20 %
		Chemical composition BY GLC	STP No. T2-013 (Version: 02 Issue date: 08.09.14) (Using GC technique)	0.1 % to 100 %
		Acid Value	STP No. T2-005 (Version: 02 Issue date : 08.09.14) As per IS 326 (Part 7): 2006, ISO 1242: 1999 (Acid base titration)	0.1 to 25
59.	Fragrances	Odour	Olfactory, As per IS 2284: 1988 (RA 2003)	Qualitative
		Refractive Index	STP No. T2-001, (Version: 02 Issue date 08.09.14) As per IS 326 (Part 5): 2005, ISO 280: 1998 (Refractormeter)	1.300 to 1.700

Laboratory	Quality Control Laboratory, Ultra International Limited, 64/1 Site-IV, Sahibabad Industrial Area, Ghaziabad, Uttar Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	11.09.2015
Certificate Number	T-3567	Valid Until	10.09.2017
Last Amended on	25.10.2016	Page	10 of 11

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Fragrances	Specific Gravity	STP No. T2-002 (Version: 02 Issue date: 08.09.14) As per IS 326 (Part 3): 2006, ISO 279: 1998 (Pyknometer)	0.6 to 1.2
		Flash Point	STP No. T2-007 (Version: 02 Issue date : 08.09.14) As per IS 1448 (Part 20): 1998 IS 1448 (Part 21): 2012, ISO 2719: 2002 (Closed cup flash point tester)	30 °C to 250 °C
		Fingerprinting by GLC	STP No. T2-013 (Version: 02 Issue date : 08.09.14) (Using GC technique)	Qualitative
II.	FOOD AND AGRICULTURAL PRODUCTS			
1.	Flavours	Odour	Olfactory, IS 2284: 1988 (RA 2003)	Qualitative
		Refractive Index	STP No. T2-001 (Version: 02 Issue date 08.09.14) As per IS 326 (Part 5): 2005, ISO 280: 1998 (Refractormeter)	1.300 to 1.700
		Specific Gravity	STP No. T2-002 (Version: 02 Issue date : 08.09.14) As per IS 326 (Part 3): 2006, ISO 279: 1998 (Pyknometer)	0.6 to 1.2
		Flash Point	STP No. T2-007 (Version: 02 Issue date : 08.09.14) As per IS 1448 (Part 20): 1998, IS 1448 (Part 21): 2012 As per ISO 2719: 2002 (Closed cup flash point tester)	30 °C to 250 °C

Laboratory Quality Control Laboratory, Ultra International Limited, 64/1 Site-IV, Sahibabad Industrial Area, Ghaziabad, Uttar Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Discipline Chemical Testing **Issue Date** 11.09.2015

Certificate Number T-3567 **Valid Until** 10.09.2017

Last Amended on 25.10.2016 **Page** 11 of 11

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Flavours	Fingerprinting by GLC	STP No. T2-013 (Version : 02 Issue date: 08.09.14) (Using GC technique)	Qualitative

~~-X-X-X-X-X-X-X-X-X-X-X-X-~~