

**CERTIFICATE OF ANALYSIS**  
**Tarragon Essential oil**

**Product Name:** Tarragon Essential oil

**Botanical Name:** *Artemisia dracunculus* L.

**Extraction process:** hydro-distillation

ROW	TEST	REFERENCE METHOD	METHOD (CODE)	RESULT	
1	Color	In House	In House	Pale yellow	
2	Clarity	In House	In House	Clear	
3	Odor	In House	In House	Tarragon special	
4	Specific Gravity(g/ml)	ISIRI 2274-9- USP37	WCL11	0.932	
5	Refractive Index	ISIRI 2274-6- USP37	WCL14	1.5079	
6	Optical Rotation	ISIRI 2274-5	WCL10	4.29	
7	Solubility	In House	WCL108	Clear	
8	Freeze point( <sup>0</sup> C)	In House	WCL106	-	
9	Wax (%)	In House	WCL107	-	
10	Manufacture C.W	In House	In House	-	
11	Assay	$\alpha$ -pinene (%)	In House	WCL112	2
		Limonene (%)	In House	WCL112	5
		Cis- $\beta$ -ocimene (%)	In House	WCL112	-
		Trans- $\beta$ -ocimene (%)	In House	WCL112	-
		Estragol (%)	In House	WCL112	-
		Methyl eugenol(%)	In House	WCL112	-
		Methyl Chavichol (%)	In House	WCL112	73.1