



Certificate Of Analysis: Ginger Oil (GR-OL-ES/W4/KA3/140313)

Company Information

Company Name Gramtarang Foods Private Limited
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General Product Information

Raw material Zingiberaceae officinale
Physical properties Ginger Oil is dark amber colour liquid. It has a strong spicy, sharp, warm smell.
Purity It does not contain any external additives and is not blended/ formulated.
Extraction method Super-Critical-Fluid-Extraction (CO₂ extraction)

Test Results

#	Parameter	Results	Method/Protocol
1	Description	Dark Amber Liquid	Visual
2	Specific Gravity	0.9181	Indian Pharmacopia
3	Optical Rotation in degree	Inactive	Indian Pharmacopia
4	pH @ 25 degree	4.03	Indian Pharmacopia
5	Solubility (1% solution)		
	In Water	Insoluble	---
	In Alcohol	Soluble	
6	Total Gingerol (%w/w)	> 12	HPLC
7	Total Zingiberene (%w/w)	> 29	GC-MS
8	Organochlorine Pesticides	Not more than 1 ppm	
9	Organophosphorus Pesticides	Not more than 1 ppm	HPLC
10	Synthetic Pyrethroids	Complies with USP	