

Product Leucidal® Liquid

Code M15008

INCI Name Leuconostoc/Radish Root Ferment Filtrate

Test	Method	Unit	Specification	Result
Appearance	Visual		Clear to Slightly Hazy Liquid	Pass
Color			Yellow to Light Amber	Pass
Odor	Olfactive		Characteristic	Pass
Solids	(1g-105°C-1hr)	%	>=48 <=52	48.1
pH			>=4 <=6	5.14
Specific Gravity	(25°)		>=1.14 <=1.18	1.15
Ninhydrin			Positive	Pass
Phenolics	(as Salicylic Acid) ¹	%	>=18 <=22	Pass
Heavy Metals		ppm	<=20	Pass
Arsenic		ppm	<=2	Pass
Minimum Inhibitory Concentration ²	Organism (ATCC#)	%	E. coli (#8739)>=0.5 <=4	1
Minimum Inhibitory Concentration ²	Organism (ATCC#)	%	S. aureus (#6538)>=0.25 <=2	0.5
Minimum Inhibitory Concentration ²	Organism (ATCC#)	%	P. aeruginosa (#9027)>=1 <=4	2
Minimum Inhibitory Concentration ²	Organism (ATCC#)	%	C. albicans (#10231)>=0.25 <=2	2
Minimum Inhibitory Concentration ²	Organism (ATCC#)	%	A. brasiliensis (#16404)>=0.25 <=2	2

DO NOT FREEZE; Store at or near room temperature;
 Mix well prior to use; May Sediment upon Standing

Note:

- 1) Phenolic compounds of natural origin, tested as Salicylic acid via USP HPLC method.
- 2) Refer to Inhibition Activity Data

The above data does not release the customer from the obligation to carry out an inspection of goods received.

This Certificate of Analysis is computer generated, thus no signature required.