

Specification Sheet

Honeysuckle Blend

This microbiostatic activity is illustrated by the following table, which shows the minimum inhibitory concentration (MIC) of the preservative against examples of different groups of microorganisms. The values were determined in liquid media with readings of bacteria growth after 7 days at 32deg`Cent, and for fungal growth after 30 days at 25deg`Cent in solid media.

<u>Test Species</u>	<u>MIC</u> (%W/v)
BACTERIA	
Staphylococcus	0.25
Streptococcus haemolyticus	0.25
Lactobacillus buchneri	0.10
Bacillus subtilis	0.15
Pseudomonas fluorescens	0.75
Pseudomonas aeruginosa	0.25
Escherichia coli	0.25
Enterobacter agglomerans	0.15
Klebsiella aerogenes	0.75
Proteus vulgaris	0.25
YEASTS	
Candida albicans	0.25
Saccharomyces cerevisiae	0.25
MOLDS	
Penicillium notatum	0.25
Trichoderma viride	0.60
Aspergillus niger	0.75

It should be noted that the minimum lethal concentration of the preservative for most microbial species is the same as its MIC value.

Microbicidal action in aqueous solution

The following table shows the rapid lethal effect exhibited and obtained by 0.25% in phosphate buffer, pH 5.0.

<u>Microbial Species</u>	<u>0.25% of Preservative</u>				
	<u>15Mins</u>	30Mins	1Hr	<u>2Hr</u>	1Day
Staphylococcus aureus	-	-	-	-	-
Escherichia coli	+	-	-	-	-
Pseudomas aeruginosa	+	-	-	-	-
Pseudomas fluorescens	+	-	-	-	-
Candida albicans	-	-	-	-	-
Penicillium crustaceum	+	+	+	-	-

Legends

- + = Growth after sub culture was added into inactivating medium.
- = No growth was observed after sub culture was added into inactivating medium.

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.