

Active ingredient:	QAC
Area of application:	brewery/dairy/food
Test method:	quantitative suspension test, DIN EN 1276 and EN 1650
Test temperature:	20° C

Sterilization time [min]						
Test organisms concentration	low organic load ¹⁾			high organic load ²⁾		
	1	2	3	1	2	3
Gram positive bacteria: Staphylococcus aureus ATCC 6538	5		5	5		5
Enterococcus hirae ATCC 10541	5		5	5		5
Gram negative bacteria: Pseudomonas aeruginosa ATCC 15442	5		5	5		5
Escherichia coli ATCC 10536	5		5	5		5
Yeasts: Candida albicans ATCC 10231	15		15	15		15
Moulds: Aspergillus niger ATCC 16404	15		15	15		15

¹⁾ 0.3 g/l bovine serum albumin; ²⁾ 3 g/l bovine serum albumin

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The function of this data sheet is to provide information on the application of the above product. The technical details included in this sheet with regard to the application of the product are based on current technical experiences and are suitable for use in normal working conditions. In case of special or unusual working conditions, please consult our customer support service. Neither the data contained in this publication, nor recommendations made by either us or our application technology advisory service represents a legally binding guarantee of either the suitability of this product for a specific application nor of certain characteristics. We draw your attention in this respect to paragraph no.5 of our General conditions sale.

Bactericidal efficacy

After examination of the bactericidal efficacy in the quantitative suspension test under low and high soiling, according to EN 1276, the efficacy (reduction ≥ 5 lg) on the test organisms *Staphylococcus aureus* ATCC 6538, *Pseudomonas aeruginosa* ATCC 15442, *Escherichia coli* ATCC 10536 and *Enterococcus hirae* ATCC 10541 can be proved.

The bactericidal effectiveness of the product **calgonit DS 675** was proved to be sufficiently effective under low and high soiling at a concentration of 1 % at 20° C within 5 minutes.

Fungicidal efficacy

After examination of the fungicidal efficacy in the quantitative suspension test under low and high soiling, according to EN 1650, the efficacy (reduction ≥ 4 lg) on the test organisms *Candida albicans* ATCC 10231 and *Aspergillus niger* ATCC 16404 can be confirmed.

The fungicidal effectiveness of the product **calgonit DS 675** was proved to be sufficiently effective under low and high soiling at a concentration of 1 % at 20° C within 15 minutes.

Use biocides carefully. Always read the label and product information before use.

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