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LTAFO1 Defoamer Specification

1. Product type: Compound Fermented Silicone Oil Defoamer
2. Active ingredients: dimethyl silicone oil, high temperature silicone polyether, food emulsifier.
3. Quality index: Appearance: milky white viscous liquid, stability (3000 rpm/20 minutes); no stratification; non-volatile matter; 25-45%; PH value 6-8.
4. Product introduction: LTAFO1 is a new type of fermentation defoamer developed for the foaming characteristics of fermentation industry, imported and digested foreign advanced technology and raw materials. It is refined from special high-temperature silicone polyether, polysiloxane and food emulsifier under specific conditions. It overcomes the disadvantages of poor high temperature resistance and short foam suppression time of silicone antifoaming agent. Appropriate use can satisfy the entire fermentation cycle. Requirements for foam control; it is recommended to reduce the dosage of polyether defoamer by 40-50% and replace it with LTAFO1, which can quickly eliminate foam and shorten the disinfection time. Since the dosage of polyether defoamer is reduced, the growth environment of bacteria is improved, and the titer can be significantly increased. It is widely used in lysine, sanctomycin, gentamicin, avermectin, tiamulin, citric acid, penicillin, erythromycin, neomycin, oxytetracycline, VB12, VB2, erythromycin thritol, sodium gluconate, fructooligosaccharides, xanthan gum, cordyceps powder, ganoderma mushroom powder, cephalosporin powder, yeast and many other fermentation processes.
5. How to use: Add it directly in the base material; it can also be used to disperse and feed the feed in the later stage. It is recommended to mix and sterilize it with polyether at a ratio of 1:1 and then add the feed; the usage amount is about 0.5-1%.

Product name		LTAFO1 Silicone Defoamer		
Report date	2022. 06. 19	Q-ty	100KG	
Production Date	2022. 06. 18	Batch number	AF01-20220618	
No	Test items	standard value	Measured value	Result
1	Appearance	Milky white liquid	Milky white liquid	pass
2	Non-volatile matter (100°C/120` 105°C/180`)	26-30%	28.40%	pass
3	pH value (1 % aqueous solution)	6-9	6.9	pass
4	Stability (3000r/20`)	Stable and not delaminated	Not delaminated	pass

It is valid within one year under normal temperature for storage and transportation of non-hazardous chemicals.
Do not freeze!

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