



Silicone Based Antifoam Solutions



Choose the right defoamer for your pharmaceutical application and formulation!

The purpose of silicone antifoams is to reduce and control foam in a variety of pharmaceutical and biopharmaceutical applications. Biesterfeld Spezialchemie GmbH offers highly effective and versatile antifoam solutions which can be used as supplied or further diluted with water.

	Antifoam Compounds		
	Liveo™ Q7-2243 LVA, Simethicone USP	Liveo™ Antifoam M Compound	Liveo™ Medical Antifoam A Compound
Description	Mixture of a low-volatile PDMS fluid and silicon	Mixture of PDMS and silicon dioxide	
Typical Applications	› OTC antifatulents or antigas › Foam control in medical and pharmaceutical applications › process aid for fermentation, cell culture, mixing and for container filling	› OTC antifatulents or antigas › Foam control in medical and pharmaceutical applications › process aid for fermentation, cell culture, mixing and for container filling	› process aid for fermentation, cell culture, mixing › process aid for container filling › foam control in blood oxygenation devices
Pharmacopeial Grade	USP/ PhEUR	PhEUR	USP
Certificate of Suitability/ CEP	✓	✓	-
API	✓ (PhEUR)	✓ (PhEUR)	-
Process Aid	✓	✓	✓
PDMS Content (%)	90.5-99	90.5-99	90.5-99
Defoaming Performance	<15 sec 20 ppm	<15 sec 20 ppm	<15 sec 20 ppm
Silicon Dioxide Content (%)	4-7	4-7	4-7
Kosher/ Halal Certified	✓	✓	✓
Appearance	Light grey liquid	Light grey liquid	Grey liquid
Viscosity cP	570	3.100	500
Simethicone Level (%)	100	100	100
Heavy Metal Content (ppm)	<5	<5	<5
Shelf Life (months)	24	18	36



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Liveo™ Simethicones are suitable for critical medical applications, e.g. as process aids or active ingredients

Antifoam Emulsions	
Liveo™ Q7-2587 30% Simethicone Emulsion USP	Liveo™ Medical Antifoam C Emulsion
Water-dilutable emulsion containing 30% Simethicone USP by weight	
› OTC antiflatulents or antigas › Foam control in medical and pharmaceutical applications › process aid for fermentation, cell culture, mixing and for container filling	
USP	USP
-	-
-	-
✓	✓
30.4	29.4
<15 sec 50 ppm	<15 sec 50 ppm
1.2-2.1	1.2-2.1
✓	✓
Off-white liquid	Off-white liquid
31.500	1.500
30	30
<5	<5
36	48



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