

# QUALITÄTSMANAGEMENT SPECIFICATION

## LIGAFOOD MF-2-V

Magnesium Stearate

**BSW:** 31430001

**version:** 2 / 28.09.2016

**appearance:** A white or almost white, very fine, light powder, greasy to the touch, practically insoluble in water and ethanol.

**composition:** Magnesium salt of vegetable fatty acids consisting mainly of stearic acid and palmitic acid.

**properties:** Precipitated Magnesium Stearate with high specific surface area. This high quality product is dedicated to special applications in the food industry and complies with the FDA regulations for direct food contact (GRAS) and the latest Food Chemical Codex (FCC), JECFA and European regulation E-470-B.

parameter	unit	methode	specification limit		
			lower	target	upper
Identification A Solubility		E-470		Passes test	
Identification B Positive Test		E-470		Passes test	
Solidification point	°C	FCC	54		
Acidity or	ml 0,1N HCl or	Ph.Eur			0,05
Alkalinity	ml 0,1N NaOH	Ph.Eur			0,05
Heavy Metals (as Pb)	ppm	FCC			5
Cadmium	ppm	BAE 300-B			1
Lead	ppm	BAE 300-B			2
Nickel	ppm	BAE 300-B			3
Mercury	ppm	BAE 300-D			1
Arsenic	ppm	BAE 300-D			3
Free Alkali	%	E-470			0,1
Unsaponifiables - E470		E-470			2
Assay	%	E-470	95		
Relative content of stearic acid	%	Ph.Eur	60		70
Rel. cont. of stearic and palmitic acid	%	Ph.Eur	95		
Aerobic microbial count	cfu/g	USP/NF			1000
Moulds & Yeasts	cfu/g	USP/NF			100
Escherichia coli	cfu/g	USP/NF		Absent	
Salmonella Species	cfu/10g	USP/NF		Absent	
Loss on drying	%	BAE 600			4
Free fatty acid	%	BAE 400			2
Assay as MgO	%	BAE 200 o	6,8		8,3
Sieve residue at 200 mesh	%	BAE 605			1
Sieve residue at 325 mesh	%	BAE 605			3,5
Bulk Density tapped	g/ml	BAE 611a	0,27		0,37

The information and data given in this sheet represent our best knowledge but are not a guarantee for any properties or performance of the products including patent infringement and legislation of other countries. They don't release the customer from making his own assessment under his own conditions and requirements.

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parameter	unit	methode	specification limit		
			lower	target	upper
Bulk Density Loose	g/ml	BAE-611B	0,17		0,25
melting point BAE	øC	BAE 603	130	Passes test	155
Contamination		BAE 601		In accordance	

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activities	Distribution and export of chemicals and raw materials	
VAT number	BE0405317567	NL001375945B01
recall procedure available	Yes	
emergency number (24/365)	+32 (0)56 77 69 44	+31 (0)78 6544 944
<b>QUALITY SYSTEMS</b>		
ISO 9001	Yes	Yes
ISO 14001	Yes	Yes
ISO 22000	Yes	Yes
FSSC 22000	Yes	Yes
GMP+ -feed	Yes	Yes
OHSAS18001	-	Yes
ESAD	Yes	Yes
other	-	AEO