

customer: BRENNTAG NEDERLAND BV
contact person:
FAX: coa@brenntag.nl; Alex.Feijen@brenntag.nl
order-number: 75284992 **despatch number:** 1807409
delivered on: 2018-03-23 **quantity:** 4200
brand: LIGAFOOD MF-2-V **batch-no.** C829538
Magnesium Stearate
manufacturing date: 03/2018 **expiry date:** 03/2022

The product is in accordance with the FCC 10th. ed., JECFA and E-470-B Material is derived from edible non-animal source.

parameter	unit	method	lower	Specification	upper	result
Identification A Solubility		E-470		Passes test		Passes test
Identification B Positive Test		E-470		Passes test		Passes test
Solidification point	°C	FCC	54			56
Acidity or	ml 0,1N HCl or	Ph.Eur			0,05	<0,05
Alkalinity	ml 0,1N NaOH	Ph.Eur			0,05	<0,05
Heavy Metals (as Pb)	ppm	FCC			5	<5
Cadmium	ppm	BAE 300-B			1	<1,0
Lead	ppm	BAE 300-B			2	<1,0
Nickel	ppm	BAE 300-B			3	1,2
Mercury	ppm	BAE 300-D			1	<1,0
Arsenic	ppm	BAE 300-B			3	<1,0
Free Alkali	%	E-470			0,1	<0,1
Unsaponifiables - E470		E-470			2	<2
Assay	%	E-470	95			96,9
Relative content of stearic acid	%	Ph.Eur	60		70	66,6
Rel. cont. of stearic and palmitic acid	%	Ph.Eur	95			98,7
Aerobic microbial count	cfu/g	USP/NF			1000	28
Moulds & Yeasts	cfu/g	USP/NF			100	<10
Escherichia coli	cfu/g	USP/NF		Absent		Absent
Salmonella Species	cfu/10g	USP/NF		Absent		Absent
Loss on drying	%	BAE 600			4	3,1
Free fatty acid	%	BAE 400			2	0,4
Assay as MgO	%	BAE 200 o	6,8		8,3	7,6
Sieve residue at 200 mesh	%	BAE 605			1	0,2
Sieve residue at 325 mesh	%	BAE 605			3,5	1,0
Bulk Density tapped	g/ml	BAE 611a	0,27		0,37	0,33
Bulk Density Loose	g/ml	BAE-611B	0,17		0,25	0,25
melting point BAE	°C	BAE 603	130	Passes test	155	Passes test
Contamination		BAE 601		In accordance		In accordance

Venlo, 2018-03-23

The data of the above mentioned delivery are based upon careful testing according to the guidelines of our quality assurance system. They do not release the customer from entry control. Besides we do not guarantee special properties for particular applications.

This COA is issued electronically and does not bear a signature. The results in this CoA were validated and released by QA of Peter Greven Nederland C.V., Pieter Gommans, Quality Manager.

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