

Institute of Public Health in OSTRAVA
Department of Hygienic Laboratories Karviná
Těřeškovové 2206, 734 01 Karviná – Mizerov

AminoStar s.r.o.
Ohrazenice 188
511 01 Turnov

Our ref.
*P411*1305/2007/4213*

Executed by, tel.
Žebroková 596397-229

Karviná:
21th March 2007

Results of the laboratory analysis:

On 29th January 2007 we received undermentioned sample of the no. of dose and shelf life

ZMA capsules (LOT:051020; 20.10.2007)

The sample no. 1305 underwent microbiological and chemical analysis according to your requirements. The copies of the laboratory protocols are attached.


Conclusion:

On the base of the laboratory analysis it was found out that in the chemical respect the sample complies with the requirements of Regulation of the Ministry of Health No. 304/2004 Coll. as amended, by which sorts and conditions of the use of accessorial and auxiliary matters (synthetic dye) at the production of foodstuff are stated.

Metals content and microbiological indicators comply with the requirements of In – house specifications no. 01/2007 of firm Aminostar s.r.o.. Quality parameters were not evaluated.

The conclusion of the laboratory analysis can be applied for the other products of the the same sort only in case the products comply with the tested sample as for the composition and characteristics.

Zdravotní ústav se sídlem v Ostravě
Odbor hygienických laboratoří Karviná
Těřeškovové 2206, 734 01 Karviná-Mizerov
Telefon: 596 397 212, Fax: 596 397 777 32



RNDr. Šárka Doškářová
Head of the Department of Hygienic Laboratories Karviná
Institute of Public Health in Ostrava

Distribution list:

1. Address + copies of lab. protocols 3x
2. ZÚ Ostrava, OHL Karviná





Institute of Public Health in Ostrava

Centre of Hygienic Laboratories

Department of Hygienic Laboratories Karviná

CAI accredited testing laboratory No. 1393.3

Těřeškovové 2206, 734 01 Karviná - Mizerov (tel.:+420 596397229, fax:+420 596397777)

TEST REPORT No. : 2853/2007 /KA

Customer : AminoStar, s. r. o.
Ohrazenice 188
511 01 Turnov

Batch No. : 411
Order No. : D47/2007/4213
Ref. No. : 949/2007
Sample Received : 29.1.2007
Sample Analyzed : 29.1.2007 - 1.3.2007

Sample No. :	1305	Sampling date :	25.1.2007	Sampling time :	not mentioned
Sample :	ZMA capsules				
Batch No. :	LOT:051020				
Sampling site :	AminoStar, s. r. o., Ohrazenice 188, Turnov				
Sample Type :	Foodstuff				
Sampled by :	Szurmanová				
Mode of sampling :	original package				
Purpose :	analysis				
Volume :	90 cps				
Expiry date :	20.10.2007				
Notice :	Importer: AminoStar, s. r. o., Ohrazenice 188, Turnov				

Results - chemical analysis

(Method in column Type : "A" accredited, "N" not accredited, "SA,SN" subdeliveries accredited/not accredited, "FA1" flexible accredited type 1, "FA2" flexible accredited type 2)

Parameter	Value	Unit	Type	Method used	Uncertainty
As	0,32	mg/kg	A	SOP 108	10%
Cd	<0,02	mg/kg	A	SOP 108	-
Hg	0,004	mg/kg	A	SOP 108	10%
Pb	<0,2	mg/kg	A	SOP 108	-
proteins	45,1	g/100g	A	SOP 144	5%
lipids	2,3	g/100g	A	SOP 143	5%
saccharides	14,7	g/100g	A	SOP 141	5%
energy value	1100	kJ/100g	A	SOP 141	10%
synthetic dye	E 124, E 122, E 102		A	SOP 198	-

Results - microbiological analysis

(Method in column Type : "A" accredited, "N" not accredited, "SA,SN" subdeliveries accredited/not accredited) "FA1" flexible accredited type 1)

Parameter	Value	Unit	Type	Method used	Uncertainty
Total Aerobic Mesophilic Count	$1,4 \times 10^2$	CFU/g (ml)	A	SOP 329	$9,0 \times 10^1 - 2,0 \times 10^2$
coagulase-positive staphylococci	$<5 \times 10^1$	CFU/g (ml)	A	SOP 331	-
Escherichia coli	$<1 \times 10^1$	CFU/g (ml)	A	SOP 302	-
Yeasts	$2,3 \times 10^2$	CFU/g (ml)	A	SOP 332	$1,7 \times 10^2 - 3,0 \times 10^2$
Moulds	$<1 \times 10^1$	CFU/g (ml)	A	SOP 332	-
Salmonella	negative	10g	A	SOP 335	-

Notice to sampling : The sampling itself is not a subject of accreditation.

Results deal with tested samples only.

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Results relate to the object of testing and do not replace other documents.


These expanded uncertainties of measurement are obtained by multiplying of standard uncertainty of measurement by extending coefficient $k=2$ (for confidence level 95%). Uncertainty of sampling not included.

For microbiological parameters, uncertainties of measurement are obtained at the 95% confidence limit according to Poisson distribution. Uncertainty of sampling not included.

The laboratory has a flexible scope of accreditation. The laboratory may use standardized or technically equivalent and modified methods of testing in the case that the principle of measurement is kept.

Checked by (DCL): Duszková Hana, Ing.
Checked by (DHM): Liberdová Eva
Completed by : Duszková Hana, Ing.
Number of pages : 2
Karviná, date : 21.3.2007




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