PHARMACTIVE BIOTECH PRODUCTS
a natural difference

PRODUCT SPECIFICATIONS

Revision N.: 04 (September 2021)

ABG10+®

Scientific name:	*Allium sativum*
Product code:	GAR0213066
Country of origin:	Spain
Plant part used:	Bulb
Composition:	Native extract and dextrin
Extraction solvents:	Water
Appearance:	Natural brown powder with characteristic odor and taste

ASSAY	METHOD	SPECIFICATION
Identification (1)	HPLC-DAD / TLC	Positive
S-Allyl Cysteine (1)	HPLC-DAD	> 0.1%
Bulk density (1)	Eur. Pharm. (2.9.34) / USP <616>	> 0.3 g/mL
Ash (1)	Eur. Pharm. (2.4.16) / USP 37 <281>	< 10%
Loss on drying (1)	Eur. Pharm. (2.8.17) / USP 37 <731>	< 8%
Particle size (1)	Eur. Pharm. (2.9.12) / USP 34 <786>	240 µm / 60 mesh
MICROBIOLOGY		EC 2073/2005 & Eur. Pharm. 5.1.8*
TAMC (1)	Eur. Pharm. (2.6.12 / 2.6.13 / 2.6.31) USP 37 <61 / 62>	< 10 000 cfu/g
TYMC (1)		< 100 cfu/g
Enterobacteria (2)		< 100 cfu/g
L. monocytogenes (2)		Absent/25g
E. coli (2)		Absent/1g
S. aureus (2)		Absent/1g
Salmonella spp (2)		Absent/25g
HEAVY METALS		EC 1881/2006
Lead (Pb) (2)	Eur. Pharm. (2.4.27) / USP <233>	< 3.0 ppm
Arsenic (As) (2)		< 1.0 ppm
Cadmium (Cd) (2)		< 1.0 ppm
Mercury (Hg) (2)		< 0.1 ppm
PAHs		EC 1881/2006
BaP (2)	GC-MS/MS	< 10 ppb
Sum BaP, BaA, BbF, CHR (2)		< 50 ppb
AFLATOXINS		EC 1881/2006
B1 (2)	HPLC-MS	< 5 ppb
Sum B1, B2, G1, G2 (2)		< 10 ppb
PESTICIDES		EC 396/2005
Pesticide residues (2)	LC & GC - MS/MS	According to regulation
OTHER CONTAMINANTS		EC 1881/2006
Melamine (2)	LC-MS/MS	< 2.5 ppm

- Packaging: food grade LDPE or PA/PE bags.
- Shelf life: 24 months if stored closed in the original container at room temperature (<25ºC), sheltered from light and moisture (<60% RH).
- Control plan frequency: (1) analyzed on each production batch, (2) analyzed externally once a year, on the ingredient or the raw materials.
- *According to Eur. Pharm., products must meet the acceptance criteria or at least the maximum acceptable count tolerated described on this monograph.
- Natural variations in the raw material may lead to color variations from batch to batch but without affecting the quality and efficacy of the product.

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