



Patented powder of *Opuntia ficus-indica*

SPECIFICATION SHEET

	Methods	Specifications
➡ MAIN CHARACTERISTICS		
Appearance	Bio Serae	fine powder
Color	Bio Serae	light green
Nature	Bio Serae	cactus leaves certified organic
Odor	Bio Serae	characteristic of plant
Organic farming	certified by ECOCERT SAS - F 32600	conform
Gamma ray treatment	-	Not treated
Taste	Bio Serae	characteristic of plant
➡ ACTIVE INGREDIENTS		
Fat Blocking properties - butter	Bio Serae	11 ± 2
Fat Blocking properties - oil	Bio Serae	9 ± 2
Fat Blocking properties - mayonnaise	Bio Serae	19 ± 3
Cellulose + Hemicellulose (%/RM)	NF V 03-40 / Van Soest	> 15
Total dietary fibers (%/RM)	AOAC 1997 (Sigma TDF 100A)	> 35
➡ MICROBIOLOGICAL		
Enterobacteria (CFU/g)	NF ISO 21528 - 2	< 1 000
Escherichia coli (CFU/g)	Eur. Ph. 2000 [§2.6.13]	negative
Total plate count (CFU/g)	NF ISO 4833	< 50 000
Yeasts and moulds (CFU/g)	AOAC 997.02	< 1 000
Pseudomonas aeruginosa (CFU/g)	NF V 04-504	< 1 000
Salmonella (CFU/25g)	AES 10/04-05/04	negative
Staphylococcus aureus (DNAse +) (CFU/g)	Eur. Ph. 2000 [§2.6.13]	negative
➡ OTHER ANALYTICAL DATA		
Ashes (%/RM)	JORF (8 sept. 77)	< 25
Apparent density (bulk & tap)	Eur. Ph.1997 (§ 2.9.15)	> 0,3
Dry matter (%)	Eur.Ph.1997(§2.2.32 - 105°C)	> 90
Proteins (%/RM)	N x 6,25 (Kjeldahl)	< 10
Reducing soluble sugars (%/RM)	from Bertrand	< 20
➡ CONTAMINANTS		
Aflatoxins B1/B2/G1/G2 (ppb)	HPLC-Fluorimetry	≤ 4
Arsenic (ppm)	Mineralization + ICP-MS	≤ 1
Benzo[a]pyrene (ppb)	NF 12-393 (HPLC)	≤ 2
Cadmium (ppm)	Mineralization + ICP-MS	≤ 0,5
Mercury (ppm)	Mineralization + ICP-MS	≤ 0,5
GMO status	1829-1830/2003CE	Conventional ingredient
Chlorinated pesticides	Eur. Ph. 2000 [§2.8.13]	complies
Organophosphate pesticides	Eur. Ph. 2000 [§2.8.13]	complies
Lead (ppm)	Mineralization + ICP-MS	≤ 3
➡ STORAGE		
36 months if kept in a dry and cool place in original intact packing		

DM = Dry matter

RM = Raw Matter

CFU = Colony-Forming Unit

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