

Certificate of analysis, **Acerola extract powder 17% natural Vitamin C**

Batch no.: P10020311
Date of manufacturing: February, 2010
Best before: February, 2012

	Specifications	Analysis Results
Botanical kind	Malpighia puniceifolia	standard
Part of the plant	fruit	standard
Extraction solvent	water	standard
Description	pink powder	pink powder
Solubility	soluble in water	standard
Carrier	wheat maltodextrin, certified gluten-free	standard
Density (Ph. Eur. IVth ed. 2.2.5)	Content: 20 to 25% 0.40 to 0.80	0.61
Loss on drying (Ph. Eur. IVth ed. 2.8.17)	< 8.00%	3.50%
pH (Ph. Eur. IVth ed. 2.2.3)	2.5 – 5.5 (1% in distilled water)	3.1
<u>Heavy metals</u>	< 15 ppm	standard
Pb	< 5 ppm	standard
Cd	< 0.5 ppm	standard
Hg	< 0.2 ppm	standard
As	< 1 ppm	standard
Total ash	< 8.00%	standard
Screening mesh	< 5% not pass 500 µm	standard
<u>Pesticides</u>	complies with the European pharmacopoeia in force	< detection limit
<u>Active ingredients</u>	17% in natural Vitamin C	17.52 %
<u>MICROBIOLOGY</u>		
Total plate count	< 10 000 CFU / g	standard
Yeast / moulds	< 100 CFU / g	standard
Salmonella	Absent / 10g	standard
Enterobactia	Absent / g	standard
Staphylococcus aureus	Absent / g	standard
E. Coli	Absent / g	standard
Storage	keep in a dry and clean place, protected from light.	

CERTIFICATE OF ANALYSIS

Product	: Organic Acerola Dry Extract 17%
Lot	: 9266 D
Customer	: Amazonas Naturprodukte Handels GMBH
Packing	: 12 Fiber Drums/ 30kg

Scientific Name	: <i>Malpighia glab</i>
Family	: <i>Malpighiaceae</i>
Part Used	: Fruit
Origin	: Brazil
Carrier	: Organic manioc 30%

Physical-Chemical Analysis		
Assay	Limits/Specification	RESULTS
Appearance	Pass	Pass
Odor	Pass	Pass
Tast	Pass	Pass
Vitamin C (%)	17,0 – 18,0	17,00
Moisture %	1,0 – 4,0	3,39
Color L	> 64	77,37
Color a	< 6	4,58
Color b	Inform	27,74
Particle size Thru 40 mesh	> 99 %	99,28

MICROBIOLOGY ANALYSIS		
Assay	Limits/Specification	RESULTS
Total Plate Count	< 3.000 (cfu/g)	< 10
Molds	< 100 (ufu/g)	< 10
Yeast	< 100 (ufu/g)	< 10
E. Coli	Negative	Negative
Coliforms	< 3,0 – MPN/g	< 3,0
Salmonella sp	Negative/25g	Absent
Sthaphylococcus aureus	Negative	Negative

Resolution – RDC #12, as of January 2nd, 2001 – National Health Surveillance Agency (ANVISA) – Brazil
Storage: Store in a cool and dry place, away from strong and direct light
Shelf Life: Two years from date of manufacture, when properly stored
This certificate is intended to preserve the identity, origin and standard of quality requested.

Manufacture Date: Sep 23, 2009
Expiry Date : Sep 23, 2011

Status: Approved	Department: Quality Control	Analysis Date: 24/SEP/2009
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