



**IRIS NATURALS**  
**INTERNATIONAL**  
*Your Reliable Global Supplier*

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**CERTIFICATE OF ANALYSIS**

Product Name: Acerola Dry Extract Min. 17% Vit.C Natural – ORGANIC  
 Scientific Name: *Malpighia glabra* Linné  
 Product Code: 81015  
 Plant Part Used: Organic Unripe Fruit  
 Manufacturing Process: Spray Drying  
 Batch No.: 181209.2524  
 Mfg Date: 12/2009  
 Expiry Date: 12/2011  
 Country of Origin: Brazil  
 Excipients: Organic Manioc Maltodextrin (30% Max.)  
 Ratio: 20 – 30:1  
 Preservatives: None

ANALYSIS	SPECIFICATION	RESULTS	TEST METHODS
<b>PHYSICAL-CHEMICAL PROPERTIES:</b>			
<b>Aspect</b>	Fine Hygroscopic powder	Fine Hygroscopic powder	IT2-100
<b>Color</b>	Clear Yellow to Golden Yellow	Clear Yellow to Golden Yellow	IT2-100
<b>Taste/ Odor</b>	Characteristic	Characteristic	IT2-100
<b>Loss on Drying %</b>	Max. 6,00	4.580	IT2-100
<b>pH (10% sol.)</b>	3.500 – 5.500	5.200	IT2-100
<b>Volumetric Density g/L</b>	400.00 – 999.00	548.000	IT2-100
<b>Particle Size</b>	NLT 80% mesh 60 US Sieve	Conforms	IT2-107
<b>Water Solubility</b>	Soluble	Soluble	IT2-100
<b>Ascorbic Acid Assay %</b>	Min. 17,00	18.180	IT2-005
<b>Ash Insoluble in Acid %</b>	Informative	Informative	IT2-003
<b>Total Ash %</b>	Informative	Informative	IT2-003
<b>Heavy Metals – As (ppm)</b>	Max 1,00	0.030	IT2-3RD
<b>Heavy Metals – Cd (ppm)</b>	Max 1,00	0.180	IT2-3RD

<b>Heavy Metals – Cr (ppm)</b>	Max 1,00	0.910	IT2-3RD
<b>Heavy Metals – Hg (ppm)</b>	Max 0,10	0.060	IT2-3RD
<b>Heavy Metals – Ni (ppm)</b>	Max 3,00	0.150	IT2-3RD
<b>Heavy Metals –Pb (ppm)</b>	Max 3,00	0.040	IT2-3RD
<b>Heavy Metals – Sb (ppm)</b>	Max 3,00	0.030	IT2-3RD
<b><i>MICROBIOLOGICAL ANALYSIS:</i></b>			
<b>Total Bacteria</b>	< 1,000 CFU/g	< 10 CFU/g	IT2-046
<b>Total Coliforms</b>	Absent 10g	Absent	IT2-046
<b>Mold / Yeast</b>	< 500 CFU/g	< 10 CFU/g	IT2-046
<b>Enterobacteria</b>	Absent 10g	Absent	IT2-047
<b>Pseudomonas aeruginosa</b>	Absent in 10g	Absent	IT2-047
<b>Salmonella sp</b>	Absent in 10g	Absent	IT2-047
<b>Eschericchia colli.</b>	Absent in 10g	Absent	IT2-047
<b>Staphylococcus aureus</b>	Absent in 10g	Absent	IT2-047

### **CERTIFICATE OF ANALYSIS**

**NON-IRRADIATION STATEMENT:** This product is not treated by irradiation.

**CONCLUSION:** This product complies with specifications.

**PACKAGE:** 25 Kg or 50 Kg fiber drum containing double plastic bag.

**STORAGE & STOCK TEMPERATURE:** Store in a cool and dry place under 20°, in a well-closed container, protected from heat and humidity. Keep away from moisture. Opened containers should be closed immediately.

**SHELF LIFE:** 2 years when stored properly.

This is a computer print out of the Certificate of Analysis and is also valid without signature!

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