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dianafood™

Acerola

The best naturally occuring source of vitamin C

Contact us

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Humans are unable to synthesize vitamin C and thus, are dependent upon dietary intakes. Acerola, as a natural source of vitamin C, is a key ingredient to consider when developing products targeting multiple vitamin C related health benefits.

Acerola range from Diana Food includes powders and concentrates, conventional and organic, naturally delivering 17% up to 36% vitamin C.

Naturally occurring vitamin C –authenticity verified

Collected in Brazil and juice concentrate dried in France

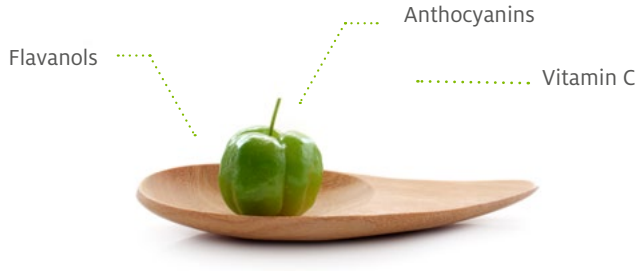
Highly bioavailable

Organic, Fair Trade

— Sourcing: a 20-year experience in acerola

Thanks our agronomy expertise and close relationship with our farmers, we collect the fruit at the right maturity level to get the highest vitamin C content. The fruit's ascorbic acid content is dependent upon various factors including crop conditions, the maturity level and the variety selection.

Composition



Acerola requiring hot weather and lot of light, the state of Ceara in North East Brazil is the best place to grow our acerola selected cultivars. We have been developping strong relationship with local partners and farmers for more than 20 years.

— Traceability & Quality

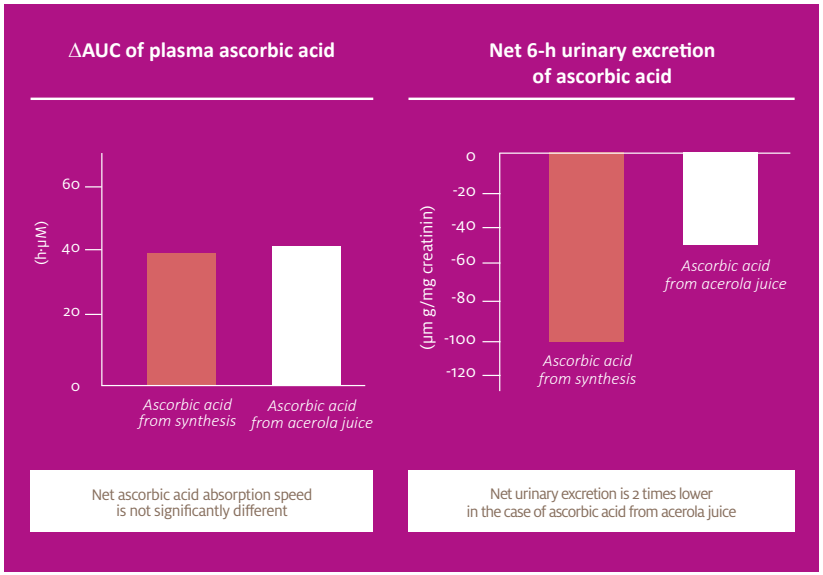
- 100% natural occuring Vitamin C from acerola
- Local processing <85km distance from field to plant to guarantee the preservation of vitamin C content
- Third party quality tests ensuring no adulteration
- Guaranteed vitamin C content up to 36%
- Full traceability from field to finished product
- Process expertise ensuring vitamin C preservation along the supply chain

Only applicable for selected references

— Higher bioavailability than synthetic vitamin C

Although synthetic and food-derived vitamin C is chemically identical, acerola is rich in numerous nutrients and phytochemicals which influence its bioavailability. The physiological interactions of vitamin C with various bioflavonoids have been the most intensively studied to date.

In a human clinical study, the acerola juice tended to promote the absorption of ascorbic acid in plasma and limited its excretion in urine better than the ascorbic acid alone. (Uchida, 2011) :



— Health benefits

Acerola is naturally rich in Vitamin C. Vitamin C contributes to:

— Immunity

- The normal function of the immune system
- The normal function of the immune system during and after intense physical exercise

— Beauty from within

- The normal collagen formation for the normal function of skin
- The protection of cell constituents from oxidative stress

— Joint, bones and tissues

- Normal collagen formation and the normal function of bones, teeth, cartilage, gums, skin and blood vessels

— Memory & Mood

- The normal function of the nervous system
- Normal psychological function

— Energy & Vitality

- Normal energy-yielding metabolism
- The reduction of tiredness and fatigue

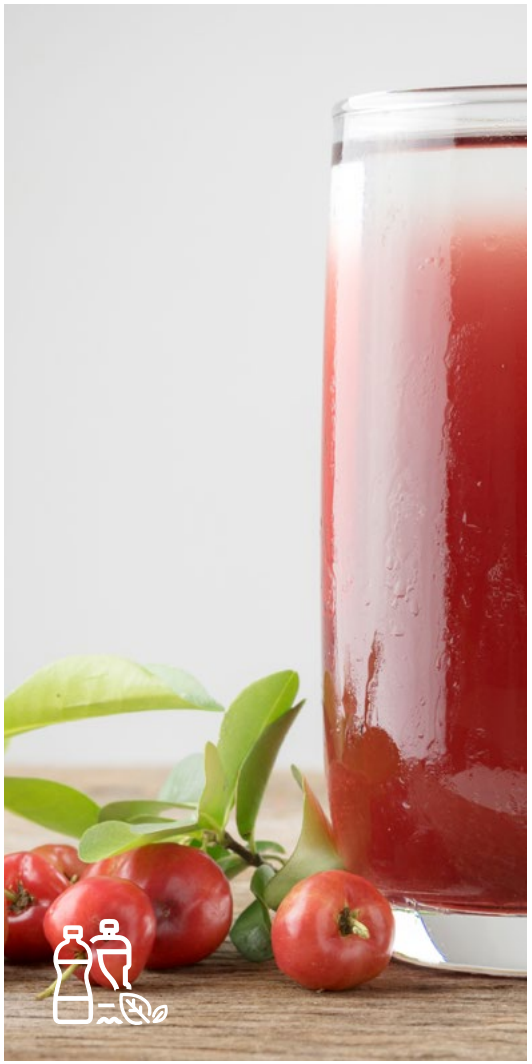
— General Health

- The protection of cell constituents from oxydative stress
- The regeneration of the reduced form of vitamin E
- Increase non-haem iron absorption

Condition of use to be considered case by case: Europe (regulation(EC) 1924/2006) and US (structure-function) claims

— Applications

Dry dietary supplements |



Healthy drinks, ready-to-drinks & liquid dietary supplements |

Powder drinks |

Denomination	Acerola juice concentrate	Organic acerola juice powder				100 % Organic acerola powder	Fair trade organic acerola juice powder	Acerola juice powder						Acerola preparation powder
Color														
Carrier	No carrier	Maltodextrin		Arabic gum		No carrier	Arabic gum	Magnesium Hydroxyde		Maltodextrin				
Vitamin C	17% +/-1		≥17%	17% +/-1				32-36%		not standar-dized	17% +/-1	≥17%	17% +/-1	>25% (added)
Certifications	Conventio-nal	Organic EU - US				Organic EU - US	Organic EU - US & Fair For Life	Conventional						
Hygroscopicity	-	++			+++	+	+++	+		+++				++++
Rehydration easiness	++++	+++		++++	+++	++	+++		++++	+++	++			+++
Granulometry	-	Fine		Instant		Powder	Instant	Fine						
Flowability	-	++		++	+++	++++		++		+			++	+
Compressibility aptitude	-	++				++++	++	+		++				+
Density	-	+			++	+		++		+			+++	
Turbidity In solution	Clear				Cloudy	Pulpy	Clear	Cloudy		Clear			Cloudy	Clear

Taste profile														
Acidity	++++	+++		++		+++++	++	+	+	+++++	++			
Fruity taste	+++	++		+++		+++++	+++	+	++	+++	++		++++	++

Applications														
Dry Diet sup *(tablet, capsules, sticks)*		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
Healthy drinks, RTD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Powder drinks		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓

Acerola juice concentrate

NEW!

Carrier
No carrier

Certification
Conventional

Vitamin C
17%

Color

Turbidity in solution
Clear

Hygroscopicity

Rehydration easiness

Flowability

Compressibility aptitude

Density

Taste profile
Acidity
Fruity taste

Recommended Applications:

Healthy drinks, ready-to-drinks

Organic acerola juice powder

Carrier
Maltodextrin

Certification

Vitamin C
17%

Color

Turbidity in solution
Clear

Granulometry
Fine

Hygroscopicity

Rehydration easiness

Flowability

Compressibility aptitude

Density

Taste profile
Acidity
Fruity taste

Recommended Applications:

Dry dietary supplements

Healthy drinks, ready-to-drinks

Powder drinks

Organic acerola juice powder

Carrier
Maltodextrin

Certification

Vitamin C

≥17%

Color

Turbidity in solution
Clear

Granulometry — Fine

Hygroscopicity

Rehydration easiness

Flowability

Compressibility aptitude

Density

Taste profile
Acidity — Fruity taste

Recommended Applications:
- Dry dietary supplements
- Healthy drinks, ready-to-drinks
- Powder drinks

Organic acerola juice powder

NEW!

Carrier
Arabic gum

Certification

Vitamin C

17%

Color

Turbidity in solution
Clear

Granulometry — Instant

Hygroscopicity

Rehydration easiness

Flowability

Compressibility aptitude

Density

Taste profile
Acidity — Fruity taste

Recommended Applications:
- Dry dietary supplements
- Healthy drinks, ready-to-drinks
- Powder drinks

Organic acerola juice powder

NEW!

Carrier

Arabic gum

Certification

Vitamin C

17%

Color

Turbidity in solution

Cloudy

Granulometry

Instant

Hygroscopicity

Rehydration easiness

Flowability

Compressibility aptitude

Density

Taste profile

Acidity

Fruity taste

Recommended Applications:

- Dry dietary supplements
- Healthy drinks, ready-to-drinks
- Powder drinks

100 % Organic acerola powder

NEW!

Carrier

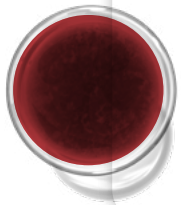
No carrier, 100% dry matter

Certification

Vitamin C

17%

Color



Turbidity in solution

Pulpy

Granulometry

Powder

Hygroscopicity

Rehydration easiness

Flowability

Compressibility aptitude

Density

Taste profile

Acidity

Fruity taste

Recommended Applications:

- Dry dietary supplements
- Healthy drinks, ready-to-drinks
- Powder drinks

NEW!

Fair Trade organic acerola juice powder

Carrier
Arabic gum

Certification

Vitamin C

17%

Color

Turbidity in solution
Clear

Granulometry — Instant

Hygroscopicity

Rehydration easiness

Flowability

Compressibility aptitude

Density

Taste profile
Acidity
Fruity taste

Recommended Applications:
- Dry dietary supplements
- Healthy drinks, ready-to-drinks
- Powder drinks

Acerola juice powder

Carrier
Magnesium Hydroxyde

Certification
Conventional

Vitamin C

32 up to 36%

Color

Turbidity in solution
Clear

Granulometry — Fine

Hygroscopicity

Rehydration easiness

Flowability

Compressibility aptitude

Density

Taste profile
Acidity
Fruity taste

Recommended Applications:
- Healthy drinks, ready-to-drinks

NEW!

Acerola juice powder

Carrier
Magnesium Hydroxyde

Certification
Conventional

Vitamin C
32 up to 36%

Color

Turbidity in solution
Cloudy

Granulometry
Fine

Hygroscopicity

Rehydration easiness

Flowability

Compressibility aptitude

Density

Taste profile
Acidity
Fruity taste

Recommended Applications:

Healthy drinks, ready-to-drinks

Acerola juice powder

Carrier
Maltodextrin

Certification
Conventional

Vitamin C
-
Not standardized

Color

Turbidity in solution
Clear

Granulometry
Fine

Hygroscopicity

Rehydration easiness

Flowability

Compressibility aptitude

Density

Taste profile
Acidity
Fruity taste

Recommended Applications:

Dry dietary supplements

Healthy drinks, ready-to-drinks

Powder drinks

Acerola juice powder

Carrier
Maltodextrin

Certification
Conventional

Vitamin C
17%

Color

Turbidity in solution
Clear

Granulometry

Fine

Hygroscopicity

Rehydration easiness

Flowability

Compressibility aptitude

Density

Taste profile

Acidity

Fruity taste

Recommended Applications:

Dry dietary supplements

Healthy drinks, ready-to-drinks

Powder drinks

Acerola juice powder

Carrier
Maltodextrin

Certification
Conventional

Vitamin C
≥17%
Color

Turbidity in solution
Clear

Granulometry

Fine

Hygroscopicity

Rehydration easiness

Flowability

Compressibility aptitude

Density

Taste profile

Acidity

Fruity taste

Recommended Applications:

Dry dietary supplements

Healthy drinks, ready-to-drinks

Powder drinks

Acerola juice powder

NEW!

Carrier
Maltodextrin

Certification
Conventional

Vitamin C
17%

Color

Turbidity in solution
Cloudy

Granulometry
Fine

Hygroscopicity

Rehydration easiness

Flowability

Compressibility aptitude

Density

Taste profile
Acidity
Fruity taste

Recommended Applications:
- Dry dietary supplements
- Healthy drinks, ready-to-drinks
- Powder drinks

Acerola preparation on powder

Carrier
Maltodextrin

Certification
Conventional

Vitamin C
>25%
(added)

Color

Turbidity in solution
Clear

Granulometry
Fine

Hygroscopicity

Rehydration easiness

Flowability

Compressibility aptitude

Density

Taste profile
Acidity
Fruity taste

Recommended Applications:
- Dry dietary supplements
- Healthy drinks, ready-to-drinks
- Powder drinks

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always
inspiring more
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