

AFS FOR-03-006
(041-A)



SPECIFICATION SHEET

Product: Acerola Extract >25% Vitamin C
Product Code: PurC Acerola Extract
Country of Origin: Brazil

Botanical Name: *Malpighia Emarginata*
Plant Part Used: Fruit

	Specification	Method ID
Appearance	Orange Powder	visual
Vitamin C Content	25.0% +/- 2.5%	HPLC
Lead	< .25 ppm	ICP-MS AOAC 2013.06
Bulk density	0.35-0.75 g/ml	USP <616>
Solubility	>99.6%	In water solution
Arsenic	< 0.15 ppm	ICP-MS AOAC 2013.06
Cadmium	< 2.50 ppm	ICP-MS AOAC 2013.06
Mercury	< 1.50 ppm	ICP-MS AOAC 2013.06
Heavy Metals	< 10 ppm	ICP-MS AOAC 2013.06
<i>E. coli</i>	negative / 25 g	USP <62>
Total Coliform	< 3 MPN/g	AOAC 996.24, MPN, FDA BAM
<i>Salmonella</i>	negative / 375 g	USP <62>
<i>Staphylococcus</i>	negative / 25 g	USP <62>
Yeast & Mold	< 100 cfu /g	USP <61>
Aerobic Total Plate Count	< 10 ⁴ cfu/g	AOAC 990.12, FDA BAM
Residual Solvents	<100 ppm	USP <467>

Country of Manufacture: Brazil

Meets the microbe requirements of the United States Pharmacopoeia.

Allergen

The AFS PurC® Acerola Extract, is **free** from the following known allergens:

Milk	Eggs
Fish	Shellfish / Shrimp
Nuts	Wheat
Soybeans	Lactose

Additional Validation Testing Program

Mycotoxin Screen:

- Aflatoxin B1: < 2 ppb
- Aflatoxin B2, G1, G2 or sum of aflatoxins: < 5 ppb
- Ochratoxin A or B: < 5 ppb
- Fumonisin: < 100 ppb

Pesticide Screen: Comply with the USP34-NF29:561 requirements

Storage

Highly hygroscopic. Store in well-closed containers in a dry place at ambient temperature (15-20°C). Material should be re-tested after storage for two years.

Sterilization

Non-contact steam heat in drying operation.

Applications

Pharma & Nutritional Supplements

PurC® is a natural-derived plant extract rich in Vitamin C for use in tablet or capsule form.

Conventional Foods and Beverages

PurC® is a 100% Organic extract derived from the Barbados Cherry. It allows formulators to add beneficial vitamin C to conventional foods and beverages from a natural plant based source.

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