

## INGREDIENT SPECIFICATIONS

**PRODUCT CODE:** 06095 (55 pounds)

**PRODUCT DESCRIPTION:** PACran® a proprietary blend of 100% cranberry solids (North American *vaccinium macrocarpon*). Prepared with non-GMO GRAS ingredients via a proprietary process that results in superior proanthocyanidin and phenolic content. The process conforms to all provisions of the Food, Drug and Cosmetic Act. The constituents and the unit operations associated with its manufacture are consistent with current GMPs as set forth within 21 CFR part 110. No preservatives, flavorings or colorings are added.

SPECIFICATIONS	DESCRIPTIONS
Proanthocyanidins (PACs)	1.5% Minimum (USDA HPLC)
Percent Fruit Solids	100% Cranberry
Moisture	4.5 ± 1.5%
pH (10% Solution)	2.6 – 3.9
Solubility	Partially soluble in water
Particle Size	Through 60 mesh NLT 60%
Bulk Density (Tapped)	0.50 ± 0.10 g/ml
Appearance	Free flowing red powder
Color	Cranberry red
Flavor	Typical of cranberry fruit, free of foreign flavors

MICROBIOLOGICAL	
Yeast and Mold	< 1,000/g
Standard Plate Count	< 10,000/g
E. Coli	Negative/25g
Salmonella	Negative/25g
Coliform	< 10/g
Staph. Aureus	< 10/g

PROPERTIES	TYPICAL RANGE	METHODS
Total Phenolics	2.00 – 5.00%	Folin-Ciocalteu
Total Anthocyanins	0.15 – 1.00%	pH Differential
Antioxidant (ORAC)	175 – 400 µmol Trolox/g	ORAC
Antioxidant (DPPH)	55 – 70% radical inhibition	DPPH
Ellagic Acid	200 – 415 µg/g	HPLC

**INGREDIENTS:** 100% cranberry (*vaccinium macrocarpon*) fruit solids.

**PACKAGING:** Polyethylene-lined multi-layer fiber drum. Net weight: 55 lb.

**STORAGE RECOMMENDATIONS:** Store in a cool, dry atmosphere not to exceed 80° F.

**EXPECTED SHELF-LIFE:** 36 months when properly stored.



**GUARANTEED ANALYSIS:** Each lot of PACran® whole cranberry powder has been tested and certified by Brunswick Laboratories to contain guaranteed levels of cranberry proanthocyanidins (PACs).

**Learn more at: [www.pacran.com](http://www.pacran.com)**