

INGREDIENT SPECIFICATIONS

PRODUCT CODE: **06101** (55 pounds)

PRODUCT DESCRIPTION: PACran[®]SG a proprietary blend of Proanthocyanidin (PAC) rich cranberries featuring the early black North American (*Vaccinium Hales macrocarpon variety*). Prepared with non-GMO GRAS ingredients via a proprietary process that results in superior proanthocyanidin and phenolics 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 & 111. No preservatives, flavorings or colorings are added.

SPECIFICATIONS	DESCRIPTIONS
Proanthocyanidins	1.5% Minimum (HPLC)
Percent Fruit Solids	100% Cranberry
Moisture	NMT 6.0%
pH (10% Solution)	2.6 – 3.9
Solubility	Partially soluble in water
Particle Size	100% through 80 mesh
Bulk Density (Tapped)	0.60 ± 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

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: Cranberry (*Vaccinium macrocarpon*)

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.