



HI-PAC 4.0



INGREDIENT SPECIFICATION

PRODUCT CODE: 06175 (55 pounds)

PRODUCT DESCRIPTION: Hi-PAC 4.0 is a spray dried cranberry extract powder standardized to 4% proanthocyanidins and made with non-GMO ingredients via a proprietary process that 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 parts 110 & 111. No preservative, flavorings or colorings are added.

PHYSICAL SPECIFICATIONS	DESCRIPTIONS	METHOD OF ANALYSIS
Proanthocyanidins (PACs)	NLT 4.0%	HPLC
Moisture	NMT 5.0%	Loss on Drying
pH (10% Solution)	3.0 – 4.3	pH meter
Titrateable Acidity	3.0 – 13.0%	Titration
Solubility	Soluble with <1% suspended solids	--
Particle Size	NLT 100% through 30 mesh NLT 95% through 100 mesh	Rotap
Bulk Density (Tapped)	0.60 ± 0.20 g/ml	100 taps
Appearance	Free flowing red powder	Visual
Color	Uniform maroon color	Visual
Flavor	Typical of cranberry fruit, free of foreign flavors	Organoleptic

MICROBIOLOGICAL SPECIFICATIONS	DESCRIPTIONS	METHOD OF ANALYSIS
Yeast and Mold	< 1,000/g	USP 2021
Standard Plate Count	< 1,000/g	USP 2021
E. Coli	Negative/10g	USP 2022
Salmonella	Negative/25g	AOAC 2004.03
Enterobacteriaceae	< 1,000/g	USP 2021

INGREDIENTS: Cranberry (*Vaccinium macrocarpon*) Extract, Magnesium Hydroxide, Tricalcium Phosphate

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

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

EXPECTED SHELF-LIFE: 36 months when properly stored.

U.S. Patents (5,474,774, 5,525,341, 5,646,178, 5,650,432), U.K. Patent (0752871), Australian Patents (703158, 708657)

