



MTC Industries, Inc.
 Nutraceuticals, Foodceuticals, and Pharmaceuticals

SPECIFICATION SHEET

Product Name: DHEA (80 mesh wild Yam)

Items	Specification in house	Test method
Appearance	White or almost white crystalline powder	Visual
Identification	IR	USP
Loss on drying	≤0.5%	USP
Residue on ignition	≤0.1%	USP
Melting point	147-152°C	USP
Specific optical	+12.0°~+15.0°	USP
Related substances	Single impurity≤0.5% Total impurities≤1.0%	HPLC
Particle size	90% though 80 mesh	Mastersizer
Heavy metals	≤10 ppm	USP
Lead	≤0.5 ppm	AAS
Arsenic	≤1.5 ppm	AAS
Cadmium	≤0.5 ppm	AAS
Mercury	≤0.1 ppm	AAS
Microbial control	Total plate count ≤1000cfu/g Yeasts&Molds ≤100cfu/g E.coli Negative Salmonella Negative Staphylococcus Aureus Negative	CP
Residual Solvents	Methanol≤1500 ppm Isopropyl acetate≤140 ppm Acetone ≤2500 ppm Dichloromethane≤300 ppm Ethyl formate≤2500 ppm	GC
Assay	≥99.0%	HPLC
Bulk density	≥0.35g/ml	USP

