



## TECHNICAL DATA SHEET

Product code           020070  
Product                 D-Alpha Tocopheryl Acid Succinate  
CAS Number           4345-03-3  
Specification           1210IU, GC

Test Items	Specifications	Test Methods
Color	White to almost white	Visual
Odor	Nearly odorless	Organoleptic
Appearance	Powder or granular	Visual
Chemical reaction	Positive	Color reaction
GC	Corresponds to RS	GC
Acidity	18.0-19.3ml	Titration
Optical rotation[ $\alpha$ ] <sub>D</sub> <sup>25</sup>	≥+24°	USP<781>
Bulk density	0.20g/cm <sup>3</sup> -0.60g/cm <sup>3</sup>	USP<616>
Particle size (Residue on 20 meshes)	≤1%	USP<786>
D-alpha tocopheryl acid succinate	96-102%	GC
	≥1161.6 IU/g	
Melting point	73-78°C	USP<741>
Lead	≤1ppm	GF-AAS
Arsenic	≤1ppm	HG-AAS
Cadmium	≤1ppm	GF-AAS
Mercury	≤0.1ppm	HG-AAS
B(a)p	≤2ppb	HPLC
PAH <sub>4</sub>	≤10ppb	GC-MS
TAMC	≤1000cfu/g	USP<2021>
Total Yeast&Moulds count	≤100cfu/g	USP<2021>
E.coli	Negative/10g	USP<2022>

Net weight: 25kgs/Drum

Gross weight: 27.5Kgs±0.5kg/Drum

36 months under 30°C in a well-closed container and away from moisture, light, oxygen.