## **PRODUCT DATA SHEET**

Revision Date: 12/12

# ATUREX<sup>®</sup> 1000IU Tocopherol

#### D-α Tocopherol

ATUREX D- $\alpha$  1000IU tocopherol is a light yellow to brownish red, clear, viscous oil. It has a mild, characteristic odour and taste, and its biological avtivity is three times higher than synthetic VE.

### FEATURES

- Middle viscosity
- Outstanding color
- Outstanding smell
- Outstanding antioxidant
- Light yellow or brown oily liquid

#### **APPLICATIONS**

- Natural antioxidant
- Nutrition enhancer
- Drug
- Food
- Cosmetic
- Feed

PROPERTIESSPECIFICATIONTYPICAL QUALITYAppearanceLight yellow to brownish redPASSAbsorbanceMaximum absorbance(284nm)72-76PASSMinimum absorbance(254nm)5.5-8.0PASSHeavy metal (Pb) $\leq 10$ ppmOKAcidity $\leq 2$ mgKOH/g1.8 mgKOH/gSulphated ash $\leq 0.1\%$ 0.01%TYPICAL PROPERTIES $= 60\%$ 67.9%Potency, IU/g1000IU1000IUD-alpha tocopherol $\geq 60\%$ 67.9%Specific rotation [q] D25° $\geq +24^\circ$ PASSHANDLING & STORAGEIn unopened, original containers, 24 months at 2 - 25°C, (see Expiry date on original container)In unopened, 50kg, 200kg)PACKAGINGFood grade drum (20kg, 50kg, 200kg)In the period of the period				1000	
Maximum absorbance72-76PASSAbsorbanceMinimum absorbance(254nm)5.5-8.0PASSHeavy metal (Pb) $\leq 10ppm$ OKAcidity $\leq 2 mgKOH/g$ 1.8 mgKOH/gSulphated ash $\leq 0.1\%$ 0.01%TYPICAL PROPERTIES $\geq 60\%$ 67.9%Potency, IU/g1000IU1000IUD-alpha tocopherol $\geq 60\%$ 67.9%Specific rotation [ $\alpha$ ] D25° $\geq +24^{\circ}$ PASSHANDLING & STORAGEIn unopened, original containers, 24 months at 2 - 25°C, (see Expiry date on original container)CN CODE2936280000PACKAGINGFood grade drum (20kg, 50kg, 200kg)	PROPERTIES	SPECIFICATION		TYPICAL QUALITY	
Absorbanceabsorbance(284nm) $72-76$ Minimum absorbance(254nm)PASSHeavy metal (Pb) $\leq 10 ppm$ OKAcidity $\leq 22 mgKOH/g$ 1.8 mgKOH/gSulphated ash $\leq 0.1\%$ 0.01%TYPICAL PROPERTIES $0.01\%$ Potency, IU/g1000IU1000IUD-alpha tocopherol $\geq 60\%$ 67.9%Specific rotation [ $\alpha$ ] D25° $\geq +24^{\circ}$ PASSHANDLING & STORAGEIn unopened, original containers, 24 months at 2 - 25°C, (see Expiry date on original container)CN CODE2936280000PACKAGINGFood grade drum (20kg, 50kg, 200kg)	Appearance	Light yellow to brownish red		PASS	
Minimum absorbance(254nm) $5.5-8.0$ Heavy metal (Pb) $\leq 10$ ppmOKAcidity $\leq 2$ mgKOH/g1.8 mgKOH/gSulphated ash $\leq 0.1\%$ 0.01%TYPICAL PROPERTIES $0.01\%$ Potency, IU/g $1000IU$ $1000IU$ D-alpha tocopherol $\geq 60\%$ $67.9\%$ Specific rotation [ $\alpha$ ] D25° $\geq +24^{\circ}$ PASSHANDLING & STORAGEIn unopened, original containers, 24 months at 2 - 25°C, (see Expiry date on original container)CN CODE2936280000PACKAGINGFood grade drum (20kg, 50kg, 200kg)	Absorbance		72-76	PASS	
Acidity≤2 mgKOH/g1.8 mgKOH/gSulphated ash≤0.1%0.01%TYPICAL PROPERTIESPotency, IU/g1000IU1000IUD-alpha tocopherol≥ 60%67.9%Specific rotation [α] D25°≥+24°PASSHANDLING & STORAGEIn unopened, original containers, 24 months at 2 - 25°C, (see Expiry date on original container)CN CODE2936280000PACKAGINGFood grade drum (20kg, 50kg, 200kg)		_	5.5-8.0		
Sulphated ash $\leq 0.1\%$ $0.01\%$ TYPICAL PROPERTIESPotency, IU/g1000IU1000IUD-alpha tocopherol $\geq 60\%$ 67.9%Specific rotation [ $\alpha$ ] D25° $\geq +24^{\circ}$ PASSHANDLING & STORAGEIn unopened, original containers, 24 months at 2 - 25°C, (see Expiry date on original container)In unopened, original container)CN CODE2936280000PACKAGINGPACKAGINGFood grade drum (20kg, 50kg, 200kg)	Heavy metal (Pb)	≤10ppm		OK	
TYPICAL PROPERTIESPotency, IU/g1000IU1000IUD-alpha tocopherol $\geq 60\%$ 67.9%Specific rotation [ $\alpha$ ] D25° $\geq +24^{\circ}$ PASSHANDLING & STORAGEIn unopened, original containers, 24 months at 2 - 25°C, (see Expiry date on original container)CN CODE2936280000PACKAGINGFood grade drum (20kg, 50kg, 200kg)	Acidity	≤2 mgKOH/g		1.8 mgKOH/g	
Potency, IU/g1000IU1000IUD-alpha tocopherol≥ 60%67.9%Specific rotation [α] D25°≥+24°PASSHANDLING & STORAGEIn unopened, original containers, 24 months at 2 - 25°C, (see Expiry date on original container)CN CODE2936280000PACKAGINGFood grade drum (20kg, 50kg, 200kg)	Sulphated ash	≤0.1%		0.01%	
D-alpha tocopherol≥ 60%67.9%Specific rotation [α] D25°≥+24°PASSHANDLING & STORAGEIn unopened, original containers, 24 months at 2 - 25°C, (see Expiry date on original container)CN CODE2936280000PACKAGINGFood grade drum (20kg, 50kg, 200kg)	TYPICAL PROPERTIES				
Specific rotation [α] D25°≥+24°PASSHANDLING & STORAGEIn unopened, original containers, 24 months at 2 - 25°C, (see Expiry date on original container)CN CODE2936280000PACKAGINGFood grade drum (20kg, 50kg, 200kg)	Potency, IU/g	1000IU		1000IU	
HANDLING & STORAGEIn unopened, original containers, 24 months at 2 - 25°C, (see Expiry date on original container)CN CODE2936280000PACKAGINGFood grade drum (20kg, 50kg, 200kg)	D-alpha tocopherol	≥ 60%		67.9%	
HANDLING & STORAGEon original container)CN CODE2936280000PACKAGINGFood grade drum (20kg, 50kg, 200kg)	Specific rotation [a] D25°	≥+24°		PASS	
PACKAGINGFood grade drum (20kg, 50kg, 200kg)	HANDLING & STORAGE				
	CN CODE	2936280000			
	PACKAGING	Food grade drum (20kg, 50kg, 200kg)			
HEALIN & SAFEIY Please refer to Material Safety Data Sheet	HEALTH & SAFETY	Please refer to Material Safety Data Sheet			



Economic development zone, yichun, jiangxi, China. Tel: +86 795 3586166 Fax: +86 795 3586165 E-Mail: info@aturex.com Web: www.aturex.com

#### Publication number 10086 – Revision December 2012

The information and statements herein are believed to be reliable, but not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification.