

# GOLD TRI.E'S VERSATILE RANGE

## Gold Tri.E™ 20P (Powder)



### Features and Benefits

Contains a minimum of **20%** tocopherols & tocotrienols

Available in Aluminium Foil packaging

**1.0kg**

Shelf Life  
**2 Years**

### Min. Ratio of Tocols



- 70% Tocotrienols
- 20% Tocopherols

Total tocols (tocotrienols and tocopherols), minimum of 200mg/g

### Physical and Chemical Properties

- Light yellow colour powder
- Neutral odour and taste
- Water dispersible
- <5% loss on drying

### More Versatile

**Water dispersibility** allows it to mix well with various formulations.



### Heat/Colour Stability

Oil encapsulated into powder enhances stability properties.

### Microbial Properties

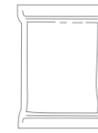
#### Total Plate Count

Not more than 1,000 cfu/g

#### Coliforms

Negative

## Gold Tri.E™ 30P (Powder)



### Features and Benefits

Contains a minimum of **30%** tocopherols & tocotrienols

Available in Aluminium Foil packaging

**1.0kg**

Shelf Life  
**2 Years**

### Min. Ratio of Tocols



- 70% Tocotrienols
- 20% Tocopherols

Total tocols (tocotrienols and tocopherols), minimum of 300mg/g

### Physical and Chemical Properties

- Light yellow colour powder
- Neutral odour and taste
- Water dispersible
- <5% loss on drying

### More Versatile

**Water dispersibility** allows it to mix well with various formulations.



### Heat/Colour Stability

Oil encapsulated into powder enhances stability properties.

### Microbial Properties

#### Total Plate Count

Not more than 1,000 cfu/g

#### Coliforms

Negative

# GOLD TRI.E'S VERSATILE RANGE

## Gold Tri.E™ 50 (Liquid)



### Features and Benefits

Contains a minimum of **50%** tocopherols & tocotrienols

Available in Aluminium Canister

**1.0kg | 5.0kg | 10.0kg**

Shelf Life  
**3 Years**

### Min. Ratio of Tocols



- 70% Tocotrienols
- 20% Tocopherols

Total tocols (tocotrienols and tocopherols), minimum of 500mg/g



### Physical and Chemical Properties

- Amber liquid
- Neutral odour and taste
- Soluble in oil
- < 1.0 on moisture content (%)
- < 5.0 on acid value, AV (mgKOH/g)
- < 10.0 on peroxide value (meg/kg)

Allows for higher potency

More superior bioavailability

### Microbial Properties

#### Total Plate Count

Not more than 1,000 cfu/g

#### Coliforms

Negative

## Gold Tri.E™ 70 (Liquid)



### Features and Benefits

Contains a minimum of **70%** tocopherols & tocotrienols

Available in Aluminium Canister

**1.0kg | 5.0kg | 10.0kg**

Shelf Life  
**3 Years**

### Min. Ratio of Tocols



- 70% Tocotrienols
- 20% Tocopherols

Total tocols (tocotrienols and tocopherols), minimum of 700mg/g



### Physical and Chemical Properties

- Amber liquid
- Neutral odour and taste
- Soluble in oil
- < 1.0 on moisture content (%)
- < 5.0 on acid value, AV (mgKOH/g)
- < 10.0 on peroxide value (meg/kg)

Allows for higher potency

More superior bioavailability

### Microbial Properties

#### Total Plate Count

Not more than 1,000 cfu/g

#### Coliforms

Negative



# GOLD TRI.E™ Product Reference Guide

Premium phytopower ingredients at your fingertips

	Gold Tri. E (Powder)		Gold Tri. E (Liquid)		
	20P	30P	50	70	
<b>Features &amp; Benefits</b>	Minimum percentage of tocols	20%	30%	50%	70%
	Min. Ratio of tocols Total tocols (tocotrienols and tocopherols)	70% Tocotrienols 20% Tocopherols		70% Tocotrienols 20% Tocopherols	
	Available in aluminium foil (KG)	1.0kg		1.0kg 5.0kg 10.0kg	
	Shelf life	2 Years		3 Years	
	Appearance & colour	Light yellow, powder		Amber liquid	
<b>Physical &amp; Chemical Properties</b>	Odour & taste	Neutral		Neutral	
	Solubility / Dispersibility	Water dispersible		Oil-soluble	
	Loss on drying	<5% loss		-	
	Heat stability	Heat Stable		-	
	Moisture content (%)	<5% loss on drying		Not more than 1.0	
	Acid Value, AV (mgKOH/g)	-		Not more than 5.0	
	Peroxide value (mEq/kg)	-		Not more than 10.0	

# GOLD TRI.E™ Product Reference Guide

Premium phytopower ingredients at your fingertips

	Gold Tri. E (Powder)		Gold Tri. E (Liquid)		
	20P	30P	50	70	
<b>Microbial property</b>	Total plate count	Not more than 1,000 cfu/g		Not more than 1,000 cfu/g	
	Coliforms	Negative		Negative	
<b>Application within Industries</b>	Industries	<ul style="list-style-type: none"> <li>• Cosmeceuticals</li> <li>• Nutraceuticals</li> <li>• Food &amp; beverages (as functional ingredients)</li> <li>• Dietary Supplement</li> <li>• Animal &amp; pet nutrition</li> </ul>		<ul style="list-style-type: none"> <li>• Cosmeceuticals</li> <li>• Nutraceuticals</li> <li>• Food &amp; beverages (as functional ingredients)</li> <li>• Dietary Supplement</li> <li>• Animal &amp; pet nutrition</li> </ul>	
	Suitable applications	<ul style="list-style-type: none"> <li>• <b>Functional beverages:</b> beauty drink, health and sports drink, etc.</li> <li>• <b>Functional food:</b> geriatric products and specialty foods, animal nutrition &amp; pet food etc.</li> <li>• <b>Supplements:</b> Direct compression type products like tablets and hard capsules, effervescent products etc.</li> <li>• <b>Cosmetics:</b> sunscreen, compressed / compact powders and certain specialties such as lip care products</li> </ul>		<ul style="list-style-type: none"> <li>• <b>Dietary supplements:</b> (50) Single ingredient, combo ingredients &amp; (70) High dose capsule</li> <li>• <b>Personal care and cosmetic products:</b> Anti-ageing products, sunscreen/sunblock, facial wash, hair serum, nail care, lip balm, lipstick, tooth paste and other oral care products, ointments, massage oil etc.</li> <li>• <b>Functional Food:</b> cereal bar and granola, healthy/nutritional &amp; flavoured oil, healthy dressing and spreads, animal nutrition &amp; pet food etc.</li> </ul>	
		Note: The concentration is based on its formulation		Note: The concentration is based on its formulation	