



American International Chemical, Inc.

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SPECIFICATION SHEET

TOCOTRIENOL WS 1.5 (Water Soluble Tocotrienol 1.5%)

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
TTWD1L	1799	6829-55-6	February 3, 2010	SW	No. 1	RVK

CHARACTERISTICS:	Tocotrienol WS 1.5 is yellowish liquid containing naturally occurring mixture of Tocotrienols and Tocopherols (minimum 1.5% by weight), from the fruits of palm trees (<i>Elaeis guineensis</i>). It contains predominantly d- α -Tocotrienol, d- γ -Tocotrienol and d- α -Tocopherol. Tocotrienol WS 1.5 is specially formulated for inclusion in formulations where addition to the water phase is desired.
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SPECIFICATIONS:	Total tocopherols and tocotrienols	1.5% min
	d- α -Tocopherol (typical content)	0.5%
	d- α -Tocotrienol (typical content)	0.4%
	d- β -Tocotrienol (typical content)	Less than 0.1%
	d- γ -Tocotrienol (typical content)	0.5%
	d- δ -Tocotrienol (typical content)	0.2%
	Heavy Metals (as Pb)	10 ppm max
	Arsenic	2 ppm max
	Total plate count	1000 cfu/g max
	Yeast and mold	100 cfu/g max
	Coliforms	Absent (Less than 3 MPN/g)
	Escherichia coli	Absent in 1g
	P. aeruginosa	Absent in 10g
	Salmonella	Absent in 25g
Staphylococcus aureus	Absent in 1g	

PACKAGING:	25 kg drum, special packaging available upon request
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APPLICATIONS:	Tocotrienol WS 1.5 is intended for use in beverages, foods, liquid supplements and personal care applications where addition to the water phase of the formula is desired. For starter applications the suggested usage rate for one liter of beverage is 3.33g Tocotrienol WS 1.5, resulting in 50mg of active ingredient per liter.
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SHELF LIFE AND STORAGE INSTRUCTIONS:	Store in light proof, airtight containers, in a cool, dry place and away from light. When stored under recommended storage conditions listed above, in unopened original containers, the shelf life is 18 months.
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OTHER:	Product is made in Singapore. Contains water, sucrose, propylene glycol, glycerol, Tocotrienol oil, sucrose ester and lecithin. Tocotrienol WS 1.5 is GMO free.
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