



American International Chemical, Inc.

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SPECIFICATION SHEET

BETA CAROTENE 30% OS Betanat® 30% OS

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
BET30L	3180	7235-40-7	September 29, 2011	SW	No. 3	TJK

CHARACTERISTICS:	Betanat® 30% OS is a reddish brown viscous oil, containing micro-crystals of natural β -Carotene, derived from <i>Blakeslea trispora</i> , dispersed in sunflower oil. DL-alpha-Tocopherol is added as an antioxidant. The β -Carotene used in the manufacture of this ingredient meets the current monographs of the United States Pharmacopeia and European Pharmacopeia. The suspension remains liquid at 0°C. β -Carotene is a carotenoid pigment, which is a precursor to Vitamin A in plants.
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SPECIFICATIONS:	Assay	Greater than or equal to 30% of β -Carotene
	Spectrometry	Maximum in cyclohexane at ca. 453nm to 456nm
	Lead	Less than or equal to 2 ppm
	Mold	Less than 100 cfu/g
	Yeast	Less than 100 cfu/g
	Salmonella	Negative in 25g
	Escherichia coli	Negative in 5g

PACKAGING:	20 kg box containing 4 x 5 kg pails, 240 kg per pallet
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APPLICATIONS:	Beta Carotene can be used as a source of pro-Vitamin A in nutritional applications, and will impact the vitamin A content listed on nutritional labels. Reference CFR Title 21 sections 101.36 and 101.54 for specific label statements that can be made in regards to Beta Carotene subsequent and Vitamin A content. Beta Carotene can also be used as a colorant in dry foods (beverage powders, cake mixes, instant pudding, icing mixes, dry salad dressings/sauces/gravies), aqueous applications (ice cream, prepared cakes, imitation dairy products, egg substitutes, sauces/gravies), pharmaceuticals and cosmetics.
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SHELF LIFE AND STORAGE INSTRUCTIONS:	Shelf life is 3 years from date of manufacture if kept in the original sealed container. Material is best stored in a tightly closed opaque dry container and at a temperature below 15°C. Once opened the material should be used promptly.
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OTHER:	This material is manufactured in a cGMP facility with a HACCP program. Plant and operational quality standards meet or exceed those required for ISO 9001:2000. All materials have Kosher and Halal certification. Beta carotene is GRAS (Generally Recognized As Safe) and is listed accordingly under Code of Federal Regulations Title 21 section 184.1245.
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